

Indice Generale - *General Index*

"TERMOPLASTICO ESENTE DA ALOGENI" "HALOGENS FREE THERMOPLASTIC"

GUAINA / ISOLAMENTO SHEATH / INSULATION

Vibiplast <i>Product Name</i>	Specific Gravity <i>kg/dm³</i>	Hardness <i>Shore D</i>	Oxygen Index <i>% O₂</i>	Ultimate Tensile Strength <i>N/mm2</i>	Elongation at Break <i>%</i>	Description	The product can be used in accordance with the following rules:						Notes
							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
HL 050 / TB	1.51 ± 0.05	54 ± 3	33 ± 6	10 ± 2	140 ± 25	HFFR, for sheath. The product can be used as under-sheathing for the production of energy, signal and control cable. Operating temperature 90°C							
HL 100 / E / ANTITOPPO / TB	1.49	49	≥ 30	10	170	HFFR, for sheath with additives anti-mouse. Operating temperature 90°C.	M1		LTS1 LTS4	HM2 HM4	SHF1		
HL 100 / E / TB	1.49	49	30	11	170	HFFR, for sheath and insulation. Operating temperature 90°C.	M1	TI7	LTS1	HM2 HM4 HJ2	SHF1		
HL 100 / E	1.45	49	≥ 30	10	170	HFFR, for sheath. Operating temperature 90°C.	M1		LTS1	HM2 HM4	SHF1		
HL 101 / 5	1.38	Shore A 90	34	13	230	HFFR for sheath and insulation. Elastic product with good flexibility, ideal for small thicknesses. Operating temperature 90°C	M1	TI7 TM7	LTS1	HM2 HM4	SHF1		
HL 101 / 6	1,41	Shore A 92	30	13	230	HFFR for sheath and insulation. Elastic product with good flexibility, ideal for small thicknesses. Operating temperature 90°C	M1 M9	TI7	LTS1	HM2 HM4	SHF1		
HL 104 / LT	1,52	50	34	11	170	HFFR for sheath and insulation. Operating temperature 90°C	M1	TI6 TI7 TM7	LTS1 LTS3	HM2 HM4	SHF1	ST8	
HL 104 / TB	1,50	50	34	9,5	160	HFFR for sheath. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1		
HL 104 / UV / LT	1,52	50	34	11	170	HFFR, for sheath and insulation. with UV resistant additive. Operating temperature 90°C.	M1	TI6 TI7 TM7	LTS1 LTS3	HM2 HM4	SHF1	ST8	
HL 104 / UV / TB	1,49	50	34	9,5	160	HFFR, for sheath. whit UV resistant additive. Operating temperature 90°C.	M1		LTS1	HM2 HM4	SHF1		
HL 104 / UV - UL / LT	1,52	50	34	11	170	HFFR, for sheath and insulation. UV Resistant Metod UL 2556. Operating temperature 90°C.	M1	TI6 TI7 TM7	LTS1 LTS3	HM2 HM4	SHF1	ST8	
HL 104	1,49	50	36	12	160	HFFR, for sheath and insulation. Operating temperature 90°C.	M1	TI7	LTS1	HM2 HM4 HJ2	SHF1		
HL 106 / TB	1,40	48	27	11	> 200	HFFR for sheath and insulation Ideal for thin thicknesses. Operating temperature 90°C	M1	TI6 TI7	LTS1	HM2 HM4	SHF1		
HL 107 / TB	1,49	Shore A 93	34	11	195	HFFR for sheath and insulation. Elastic product with good flexibility. Operating temperature 90°C	M1	TI7 TM7	LTS1	HM2 HM4	SHF1		

Indice Generale - *General Index*

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GUAINA / ISOLAMENTO SHEATH / INSULATION

Vibiplast <i>Product Name</i>	Specific Gravity <i>kg/dm³</i>	Hardness <i>Shore D</i>	Oxygen Index <i>% O₂</i>	Ultimate Tensile Strength <i>N/mm²</i>	Elongation at Break <i>%</i>	Description	The product can be used in accordance with the following rules:						Notes
							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
HL 108 - 105 / TB	1,50	55	37	13	170	HFFR for sheath and insulation ideal for HIGH TEMPERATURE. HFFR for high temperature (105 °C). Exceeds aging at 135°C x 336 h. Operating temperature 105°C	M1	TI6 TI7	LTS1	HM2 HM4 HJ2	SHF1	ST8	
HL 108 - 105 / UV / ST	1,48	55	37	13	170	HFFR, for sheath and insulation ideal for HIGH TEMPERATURE. HFFR for high temperature (105 °C). Exceeds aging at 135°C x 336 h. With UV resistant and metal deactivator additives. Operating temperature 105°C	M1	TI6 TI7	LTS1	HM2 HM4 HJ2	SHF1	ST8	
HL 108 - 105 / UV / TB	1,50	55	37	13	170	HFFR, for sheath and insulation ideal for HIGH TEMPERATURE. THFFR for high temperature (105 °C). Exceeds aging at 135°C x 336 h. With UV resistant additive. Operating temperature 105°C	M1	TI6 TI7	LTS1	HM2 HM4 HJ2	SHF1	ST8	
HL 108 / ARTIC / UV - UL	1,52	46	37	12	185	HFFR for sheath and insulation ideal for COLD climate conditions. HFFR designed to withstand low temperatures, - 60 ° C fixed installation. UV Resistant Method UL 2556. Operating temperature 70°C	M1			HM2 HJ2		ST8	
HL 108 / CS	1,53	53	38	12	160	HFFR, for sheath. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1		
HL 108 / IRC / ANTITOPO / TB	1,54	51	34	11	155	HFFR, for sheath, with anti-mouse additive. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1		
HL 108 / IRC / TB	1,54	51	34	11	155	HFFR for sheath. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1		
HL 108 / IRC / UV / TB	1,54	51	34	11	150	HFFR, for sheath, with UV Resistant additive. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1		
HL 108 / LF	1,56	53	44	12,5	155	HFFR, for sheath. Operating temperature 90°C	M1			HM2 HM4	SHF1		
HL 108 / Plus	1,55	55	40	12,5	155	HFFR for sheath. CHAR-FORMING with high performance flame retardant, no dripping. Ideal for CPR applications. Operating temperature 90°C	M1 M16 M20			HM2 HM4	SHF1		CPR
HL 108 / TB	1,53	53	38	12	160	HFFR for sheath and insulation. Operating temperature 90°C	M1	TI6 TM7	LTS1	HM2 HM4	SHF1	ST8	
HL 108 / UV / ANTITOPO / TB	1,53	53	38	12	160	HFFR, for sheath, with UV resistant additive and antimouse / termite additive. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1		

Indice Generale - *General Index*

"TERMOPLASTICO ESENTE DA ALOGENI" "HALOGENS FREE THERMOPLASTIC"

GUAINA / ISOLAMENTO SHEATH / INSULATION

Vibiplast	Specific Gravity	Hardness	Oxygen Index	Ultimate Tensile Strength	Elongation at Break	Description	The product can be used in accordance with the following rules:						Notes	
							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502		
Product Name	kg/dm ³	Shore D	% O ₂	N/mm ²	%									
HL 108 / UV / Plus	1,55	55	40	12,5	155	HFFR, for sheath. CHAR-FORMING with high performance flame retardant, No dripping. With UV Resistant additive. Ideal for CPR applications. Operating temperature 90°C	M1 M16 M20				HM2 HM4	SHF1		
HL 108 / UV / TB	1,53	53	39	12	160	HFFR, for sheath and insulation, UV Resistant. Operating temperature 90°C	M1	TI6 TM7	LTS1		HM2 HM4	SHF1	ST8	
HL 108 / UV - UL / ANTITOPPO / TB	1,53	53	39	12,5	155	HFFR, for sheath and insulation, UV Resistant Metod UL 2556.. with antimouse / termite additive. Operating temperature 90°C	M1	TI6 TM7	LTS1		HM2 HM4	SHF1	ST8	
HL 108 / UV - UL / Plus PWIS	1,55	55	38	12,5	155	HFFR, for sheath. CHAR-FORMING with high performance flame retardant, No dripping. UV Resistant - Metod UL 2556. Ideal for CPR applications. SILICON FREE. Operating temperature 90°C	M1 M16 M20				HM2 HM4	SHF1		
HL 108 / UV - UL / Plus	1,55	55	40	12,5	155	HFFR, for sheath. CHAR-FORMING with high performance flame retardant, No dripping. UV Resistant - Metod UL 2556. Ideal for CPR applications. Operating temperature 90°C	M1 M16 M20				HM2 HM4	SHF1		
HL 108 / UV - UL / TB	1,53	53	39	12,5	155	HFFR, for sheath and insulation. UV Resistant Metod UL 2556. Operating temperature 90°C	M1	TI6 TM7	LTS1		HM2 HM4	SHF1	ST8	
HL 108 / VTM / ANTITOPPO ANTITERMITE / TB	1,56	51	31	11,5	155	HFFR, for sheath, with antimouse and termite additive. Operating temperature 90°C	M1		LTS1		HM2 HM4	SHF1		
HL 108 / VTM / TB	1,56	51	31	12	155	HFFR for sheath. Operating temperature 90°C	M1		LTS1		HM2 HM4	SHF1		
HL 108 / VTM / UV - UL / ART / TB	1,56	51	31	12	155	HFFR, for sheath. UV Resistant Metod UL 2556. With Anti-Rodent and Termite additives. Operating temperature 90°C	M1				HM2 HM4	SHF1		
HL 108	1,54	50	39	12,5	155	HFFR, for sheath. Operating temperature 90°C	M1		LTS1		HM2 HM4	SHF1		
HL 116 / Plus	1,47	49	33	11	180	HFFR for sheath and insulation ideal for insulation CPR. Good processability. Operating temperature 70°C	M1	TI6 TI7			HM2 HJ2	SHF1	ST8	CPR
HL 116 / TB	1,47	49	30	11	180	HFFR for sheath and insulation ideal for insulation. Good processability. Operating temperature 70°C	M1	TI6 TI7			HM2 HJ2	SHF1	ST8	

Indice Generale - *General Index*

"TERMOPLASTICO ESENTE DA ALOGENI" "HALOGENS FREE THERMOPLASTIC"

GUAINA / ISOLAMENTO SHEATH / INSULATION

Vibiplast <i>Product Name</i>	Specific Gravity <i>kg/dm³</i>	Hardness <i>Shore D</i>	Oxygen Index <i>% O₂</i>	Ultimate Tensile Strength <i>N/mm²</i>	Elongation at Break <i>%</i>	Description	The product can be used in accordance with the following rules:						Notes
							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
HL 206	1,48	51	31	10,5	170	HFFR, for sheath, <u>no dripping</u> . This product contain a special mix of filler than during the combustion, forms a compact solid coating. This coating protects the internal cables and does not drip. Operating temperature 90°C	M1			HM2 HM4	SHF1		
HL 208 / Plus	1,54	51	36	11	160	HFFR for sheath and insulation, <u>no dripping</u> . This product contain a special mix of filler than during the combustion, forms a compact solid coating. This coating protects the internal cables and does not drip. Ideal for CPR application. Operating temperature 90°C	M1 M16 M20	TI7	LTS1 LTS3	HM2 HM4 HJ2	SHF1		CPR
HL 208	1,53	51	35	11	160	HFFR for sheath and insulation, <u>no dripping</u> . This product contain a special mix of filler than during the combustion, forms a compact solid coating. This coating protects the internal cables and does not drip. Ideal for CPR application. Operating temperature 90°C	M1 M16 M20	TI7		HM2 HM4 HJ2	SHF1		CPR
HL 210 / ANTITOPPO / TB	1,52	51	30	10,5	140	HFFR, <u>no dripping</u> . This product contain a special mix of filler than during the combustion, forms a compact solid coating. This coating protects the internal cables and does not drip. <u>With antimouse and termite additive</u> . Operating temperature 90°C	M1		LTS1 LTS3	HM2 HM4	SHF1		
HL 210 / TB	1,52	51	30	10,5	140	HFFR for sheath, <u>no dripping</u> . This product contain a special mix of filler than during the combustion, forms a compact solid coating. This coating protects the internal cables and does not drip. Operating temperature 90°C	M1		LTS1 LTS3	HM2 HM4	SHF1		
HL 210 / UV - UL / TB	1,52	51	30	10,5	140	HFFR, for sheath, <u>no dripping</u> . This product contain a special mix of filler than during the combustion, forms a compact solid coating. This coating protects the internal cables and does not drip. UV-UL Resistent, Method UL 2556. Operating temperature 90°C	M1		LTS1 LTS3	HM2 HM4	SHF1		

Indice Generale - *General Index*

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							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
HL 300 / E / TB	1,49	49	32	10	165	HFFR for sheath and insulation. Good processability. Operating temperature 90°C		TI6 TI7	LTS1	HM2 HM4 HJ2	SHF1		
HL 301 / TB	1,55	51	34	11	155	HFFR for sheath. Good processability. Operating temperature 90°C	M1			HM2 HM4	SHF1		
HL 301 / UV / TB	1,55	51	34	11	155	HFFR, for sheath. with UV resistant additive. Good processability. Operating temperature 90°C	M1			HM2 HM4	SHF1		
HL 307 / TB	1,50	41	38	10	200	HFFR, for sheath and insulation. Elastic product with excellent flexibility. Ideal for extrusion sheath and insulation. Operating temperature 90°C		TI6 TM7		HM2			
HL 308 / TB	1,55	51	39	12	160	HFFR for sheath. Good processability. Operating temperature 90°C				HM2 HM4	SHF1		
HL 308 / UV / TB	1,55	51	39	12	160	HFFR, for sheath, with UV Resistance Additive. Good processability. Operating temperature 90°C				HM2 HM4	SHF1		
HL 308 / UV - UL / TB	1,55	51	39	12	160	HFFR, for sheath, UL- UV Resistant - Metod UL 2556. Good processability. Operating temperature 90°C				HM2 HM4	SHF1		
HL 310 / FT	1,47	50	38	12	175	HFFR for sheath and insulation. Good processability. Operating temperature 90°C	M1	TI6 TM7	LTS1 LTS2	HM2 HM4			
HL 310 / R / TB	1,51	51	37	12	180	HFFR for sheath and insulation. Good processability. Operating temperature 90°C	M1	TI6 TI7	LTS2	HM2 HM4 HJ2	SHF1		
HL 310 / R / UV / TB	1,51	51	37	12	180	HFFR, for sheath and insulation. with UV resistant additive. Good processability. Operating temperature 90°C	M1	TI6 TI7	LTS2	HM2 HM4 HJ2	SHF1		
HL 310 / TB	1,50	51	39	12	170	HFFR for sheath and insulation. Good processability. Operating temperature 90°C	M1	TI6 TI7	LTS1 LTS2	HM2 HM4 HJ2	SHF1	ST8	
HL 310 / UV / ANTITOPPO / TB	1,50	51	39	12	170	HFFR, for sheath and insulation, with UV resistant additive, and antimouse / termite additive. Good processability. Operating temperature 90°C	M1	TI6 TI7	LTS1 LTS2	HM2 HM4 HJ2	SHF1	ST8	
HL 310 / UV / HD	1,53	57	38 ± 1	13	150	HFFR, for sheath and insulation, with UV resistant additive. Ideal for fiber optic cable construction. Operating temperature 90°C	M1			HM2 HM4	SHF1	ST8	

Indice Generale - *General Index*

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							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
HL 310 / UV / TB	1,50	51	39	12	170	HFFR, for sheath and insulation, with UV resistant additive. Good Processability. Operating temperature 90°C	M1	TI6 TI7	LTS1 LTS2	HM2 HM4 HJ2	SHF1	ST8	
HL 310 / UV - UL / FT	1,47	50	38	12	175	HFFR, for sheath and insulation, UV Resistant Method UL 2556. Good processability. Operating temperature 90°C	M1	TI6 TM7	LTS1 LTS2	HM2 HM4			
HL 310 / UV - UL / TB	1,50	51	39	12	165	HFFR, for sheath and insulation, UV Resistant - UL 2556. (UL 1581). Good processability. Operating temperature 90°C	M1	TI6 TI7		HM2 HM4 HJ2	SHF1	ST8	
HL 312 / B / TB	1,51	53	35	12	170	HFFR, for sheath and insulation. Good processability. Operating temperature 90°C	M1	TI6 TI7	LTS1 LTS2	HM2 HM4	SHF1		
HL 312 / TB	1,51	53	35	12	170	HFFR for sheath and insulation. Good processability. Operating temperature 90°C	M1	TI6 TI7	LTS1 LTS2	HM2 HM4		ST8	
HL 312 / UV / ANTITOPPO / TB	1,51	53	35	12	170	HFFR, for sheath and insulation. Good processability. With UV resistant additive and Anti-mouse / termite additive. Operating temperature 90°C	M1	TI6 TI7	LTS1 LTS2	HM2 HM4	SHF1	ST8	
HL 312 / UV / TB	1,51	53	35	12	170	HFFR, for sheath and insulation. Good processability. With UV Resistant additive. Operating temperature 90°C	M1	TI6 TI7	LTS1 LTS2	HM2 HM4	SHF1	ST8	
HL 312 / UV - UL / TB	1,51	53	35	12	170	HFFR, for sheath and insulation. UV-UL Resistant, Method UL 2556. Operating temperature 90°C	M1	TI6 TI7	LTS1 LTS2	HM2 HM4	SHF1	ST8	
HL 316 / TB	1,51	51	41	11	160	HFFR for sheath and insulation. Good processability. Operating temperature 90°C	M1	TI6 TI7		HM2 HM4 HJ2	SHF1		
HL 316 / UV / TB	1,50	51	41	11	160	HFFR, for sheath and insulation, with UV resistant additive. Good processability. Operating temperature 90°C	M1	TI6 TI7		HM2 HM4 HJ2	SHF1		
HL 400 / EM	1,42	51	29	12	200	HFFR, for sheath. Excellent resistance to tearing and hot pressure performance. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1	ST8	
HL 400 / UV - UL / ANTITOPPO / EM	1,42	51	30	12	190	HFFR , for sheath ideal for HOT climate conditions. HFFR. Excellent resistance to tearing and hot pressure performance. UV - Resistant, Metod UL 2556. With antimouse additive. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1	ST8	

Indice Generale - *General Index*

"TERMOPLASTICO ESENTE DA ALOGENI" "HALOGENS FREE THERMOPLASTIC"

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							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
HL 400 / UV - UL / EM	1,42	51	30	12	190	HFFR for sheath ideal for HOT climate conditions. HFFR. Excellent resistance to tearing and hot pressure performance. UV - Resistant, Metod UL 2556. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1	ST8	
HL 450 / EM	1,51	58	34	16	170	For HOT climate conditions. HFFR, low smoke. Excellent resistance to tearing and hot pressure performance.	M1		LTS1	HM2 HM4	SHF1		
HL 505	1,56	55	40	13	150	HFFR for sheath. CHAR-FORMING and ANTI-DRIPPING with a very high performance flame retardant, ideal for CPR applications. Operating temperature 90°C	M1 M16 M20			HM2 HM4	SHF1		CPR
HL 600 / 2 / ART	1,56	55	42	13	90 ± 20	HFFR, for sheath, and no dripping. With Anti-mouse / termite additive. Operating temperature 90°C			LTS3				
HL 600 / 2	1,56	55	42	13	110	HFFR for sheath, CHAR-FORMING and ANTI-DRIPPING. Operating temperature 90°C. extreme fire resistance.			LTS3				
HL 703 / TB	1,57	48	36	11,5	180	HFFR for sheath, Elastic product with excellent flexibility. Ideal for extrusion sheath and insulation. Operating temperature 70°C	M1 M16 M20	TI6 TI7		HM2 HJ2	SHF1	ST8	VDE 0250 part 251 HM5
HL MORBIDO / UV / PLUS	1,50	46	36	8	200	HFFR for sheath with UV Resistant Additive. Soft and Flexible. Operating temperature 70°C		TM7		HM2			
HL MORBIDO / UV	1,50	40	30	6,5	170	HFFR for sheath. Soft and flexible with UV resistant additive. Operating temperature 70°C				HM2			
HL MORBIDO	1,50	40	30	7,5	200	HFFR for sheath. Soft and Flexible. Operating temperature 70°C		TM7		HM2			
HL STAMP / A	1,36	40	32	7	300	HFFR for sheath. The product can be used to molding technical articles / electric plugs. Operating temperature 90°C							Molding
HL STAMP	1,42	40	25	9	350	HFFR for sheath. The product can be used to molding technical articles / electric plugs. Operating temperature 90°C							Molding

UV : All the products listed are available **UV - UL** comply at the Metod UL 2556.

ART : All the products listed are available in **Anti-mouse Anti-termite** version.