

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		

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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 - 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 / ANTITOPPO / 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 / ANTITOPPO / 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		

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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 / 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	39	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	
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	

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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 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	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 / ANTITOPO / 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		
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		

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							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
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	
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	

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							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
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 / ANTITOPO / 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 Resistent, 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 322 / UV / TB	1,51	50	35	11	160	HFFR, for sheath and insulation, Good Processability. With UV resistant additive. Operating temperature 90°C	M1			HM2 HM4	SHF1		
HL 322 / TB	1,51	50	35	11	160	HFFR, for sheath and insulation, Good Processability. Operating temperature 90°C	M1			HM2 HM4	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 / ANTITOPO / 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 - Resistent, Metod UL 2556. With antimouse additive. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1	ST8	
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 - Resistent, Metod UL 2556. Operating temperature 90°C	M1		LTS1	HM2 HM4	SHF1	ST8	

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							EN 50363-0	EN 50363-7 / 8	BS 7655	VDE 0207 Part 23 / 24	IEC 92-359	IEC 60502	
HL 500 / UV - UL / TB	1,50	53	38	15	135	HFFR, for sheath. CHAR-FORMING with high performance flame retardant, No dripping. UL- UV Resistant - Metod UL 2556.	M1 M16 M20		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.