



**HFFR THERMOPLASTIC
FOR CABLES**

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Classification				Density	Hardness	Tensile Strength	Elongation at Break	Oxygen Index	Melt Flow index	Volume Resistivity @20°C
EN 50363	VDE 0207 0250	BS 7655	OTHERS	ISO1183 g/cm ³	ISO868 Shore D	ISO527 N/mm ²	ISO 527 %	ISO 4589 %	ISO 1133 g/10'	ASTM D 257 Ω cm

Product range

EVOLUT OH 235	General purposes 80°C	M1 M16	HM2	SHF1	1,50	51	≥10	≥190	35	7	1X10 ¹⁴
EVOLUT OH 236	General purposes 80°C HIGH FLUIDITY	M1 M16	HM2	SHF1	1,50	52	≥11	≥170	36	10	1X10 ¹⁴
EVOLUT OH 434	General purposes 90°C	M1 M16	HM4		1,49	52	≥13	≥150	34	4	1X10 ¹⁴
EVOLUT OH 435/1	General purposes 90°C HIGH FLUIDITY	M1 M16 TI6	HM4	LTS2	1,49	53	≥10	≥160	35	8	1X10 ¹⁴
EVOLUT OH 245	High flame retardancy 80°C (SUGGESTED FOR CPR APPLICATIONS)	M1 M16 TI6	HM2	SHF1	1,54	52	≥11	≥170	45	4	1X10 ¹⁴
EVOLUT OH 442	High flame retardancy 90°C (SUGGESTED FOR CPR APPLICATIONS)	M1 M16	HM4		1,56	54	≥13	≥130	42	2	1X10 ¹⁴
EVOLUT OH 435/2	Good stress crack resistance (SUGGESTED FOR ARMoured CABLES)	M1 M16	HM4	LTS1-4	1,48	54	≥13	≥190	35	4	1X10 ¹⁴
EVOLUT OH 240/1	Special char forming sheathing 80°C (SUGGESTED FOR CPR APPLICATIONS)	M1 M16 TI6	HM2	SHF1	1,53	53	≥11	≥130	40	3	1X10 ¹⁴
EVOLUT OH 443	Special char forming sheathing 90°C (SUGGESTED FOR CPR APPLICATIONS)	M1 M16	HM4		1,55	53	≥12	≥140	43	2	1X10 ¹⁴
EVOLUT OHF 35	Bedding				1,71	47	≥9	≥60	35	10	
EVOLUT OHF 50	Bedding high oxygen index				1,69	50	≥9	≥40	50	5	

STORAGE

These compounds must be stored at ambient temperature (not exceeding 30°C) in closed and unbroken bags, in order to avoid exposure to sunlight and moisture. Long stocking time may negatively affect the quality of the material. Therefore they shall be used within 6 months from the compounding date. After this time it is necessary to dry the material before extrusion.

Packaging

Available in 25 Kg. plastic bags, big bags or carton oktamins.

Processing

These compounds have been designed for an easy processing, whilst maintaining good mechanical-thermal properties and a good oxygen index value. They can be processed using extruders with a low compression ratio or on standard PVC extruders, and within a temperature range of 100-180°C (unless else specified on product TDS).

Notes

OH is a range of thermoplastic, halogen free and flame retardant compounds based on polyolefines and specific mineral fillers. These grades can be used for insulation, sheathing and bedding of cables installed in environments where low flammability and low smoke emission during combustion is of vital importance.



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