



HALOGEN FREE FLAME RETARDANT THERMOPLASTIC COMPOUND DEVELOPED FOR SHEATHING AND INSULATION
-- HFFR--

PROPERTY	UNIT	TEST METHOD	HFR 1020	HFR CP45	HFR CCP13
STANDARD AND CLASSIFICATION			M16 T16 TM7 HM2 HM4 HM5 LTS 1-3 IEC 60092-SHF1 IEC 60502-ST8	M16 T16 TM7 HM2 HM4 HM5 LTS 1-3 IEC 60092-SHF1 IEC 60502-ST8	M1 M16 HM2 HM4 HM5 IEC 60502-ST8 UL94-3.2
APPLICATION			DEVELOPED FOR: GENERAL HFFR APPLICATIONS 80°C	HIGH FLAME RETARDANT DEVELOPED FOR: CPR APPLICATIONS	SPECIAL CHAR FORMING SHEATHING DEVELOPED FOR: CPR APPLICATIONS
DENSITY	G/CM ³	ISO 1183 A	1.51	1.52	1.55
DENSITY BULK	G/CM ³	ISO 787-10	1,15	1,15	1,15
HARDNESS AT 15Sec.	SHORE D	EN ISO 868	49	47	46
MFI (150°C / 21.6 KG)	G/10 MIN	ISO 1133	5,5	4,8	6
MOISTURE CONTENT ,EX WORKS	%	ISO 787	MAX. 0,1 %	MAX. 0,1 %	MAX. 0,1 %
OXYGEN INDEX LOI	%	ISO4589	36	38	45
HALOGEN CONTENT	%	CEI 60754-1	ABS	ABS	ABS
HALOGEN ACID GAS EVOLUTION CORROSIVITY OF GASES	%	IEC 60754-1	ABS	ABS	ABS
HOT PRESSURE TEST AT 90°C	%	IEC 60811	< 50	< 50	< 50
TENSILE STRENGTH	MPA	ASTM D 412	12.50	12.3	11.5
ELONGATION AT BREAK	%	ASTM D 412	160	182	176
CONDUCTIVITY	Ω.CM	ASTM-D 257 Ω.CM	1x 10 ¹⁵	1x 10 ¹⁵	1x 10 ¹⁵

Application temperature : HOPPER :140°C - 145°C, METERING: 150°C - 160°C HEAD : 160°C -175°C

Color : NATURAL

Packing : IN DOUBLE LAYER BIG-BAG, ON REQUEST KG

The values, description and figures contained herein are provided to customers as a general information for the purposes the product is intended for.

The physical and electrical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests

By the information contained herein LYS POLYCHEM won't release any warranty and /or give any suggestion on the use of the product, or grant any franchise on existing patents. The and-user , transformer shall always check the specific suitability of the product for the purposes it is intended for and its compatibility with process specifications. This document does not form part of any contract whit customer.