

HFFR 2003

Polyolefin
Teknor Apex Company

Message:

HFFR 2003 is a polyolefin material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is: extrusion.
The main features of HFFR 2003 are:
ROHS certification
Flame Retardant
Halogen-free
The typical application field of HFFR 2003 is: wire and cable

General Information			
Additive	Flame retardancy		
Features	Halogen-free		
	Flame retardancy		
Uses	Communication Cable Jacketing		
	Safety cable sheath		
	Electronic cable sheath material		
	Optical fiber cable		
Agency Ratings	IEC 60332-1		
	UL QMTT2 .E200337		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	10.7	MPa	ASTM D638
Tensile Elongation (Break)	230	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-38.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.2E+15	ohms · cm	ASTM D257
Dielectric Constant (1 kHz)	3.81		ASTM D150
Dissipation Factor (1 kHz)	3.9E-3		ASTM D150

Flammability	Nominal Value	Unit	Test Method
Oxygen Index	52	%	ASTM D2863
Additional Information			

最大伸长保持率,UL 1581,烘箱老化,7天,100°C:78 %拉伸强度保持率,UL 1581,烘箱老化,7天,100°C:103
%酸性气体,MIL-C-24643:<5.0毫克气体酸性,IEC-754-2:<6.0 pH传导率:<2.0 μS/厘米烟雾指数,NES-711:4.16毒性指数,NES-713:0.006锥形量热仪(50
千瓦/平方米),峰值放热率:370千瓦/平方米锥形量热仪(50 千瓦/平方米),总放热量:170千瓦/平方米锥形量热仪(50
千瓦/平方米),峰值烟雾量:1.51/米锥形量热仪(50 千瓦/平方米),持续燃烧时间:89 秒

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