

HFFR 2005

Polyolefin

Teknor Apex Company

Message:

HFFR 2005 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 2005 are:

ROHS certification

Flame Retardant

Halogen-free

The typical application field of HFFR 2005 is: wire and cable

General Information			
Additive	Flame retardancy		
Features	Halogen-free		
	Flame retardancy		
Uses	Safety cable sheath		
	Electronic cable sheath material		
	Communication wire sheath		
Agency Ratings	ICEA not rated		
	IEC not rated		
	UL QMTM2 .E200337		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/10.0 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	14.3	MPa	ASTM D638
Tensile Elongation (Break)	140	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-40.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	9.7E+14	ohms · cm	ASTM D257

Dielectric Constant (1 kHz)	3.66		ASTM D150
Dissipation Factor (1 kHz)	2.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	44	%	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:113%最大伸长保持率,UL 1581,烘箱老化,7天,113°C:74 %拉伸强度保持率,UL 1581,烘箱老化,7天,113°C:108 %最大伸长保持率,UL 1581,烘箱老化,7天,125°C:73 %拉伸强度保持率,UL 1581,烘箱老化,7天,125°C:116%最大伸长保持率,UL 1581,烘箱老化,7天,136°C:72 %拉伸强度保持率,UL 1581,烘箱老化,7天,136°C:109 %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:<10.0毒性指数,NES-713:<1.0锥形量热仪(50 千瓦/平方米),峰值放热率:154千瓦/平方米锥形量热仪(50 千瓦/平方米),总放热量:157千瓦/平方米锥形量热仪(50 千瓦/平方米),峰值烟雾量:0.8 1/米锥形量热仪(50 千瓦/平方米),持续燃烧时间:138 秒

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