

ExxonMobil™ HDPE HPA 020 Wire & Cable

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

HPA 020 is a high density polyethylene grade for medium/high voltage cable sheaths. This grade should be used to mix with linear low density polyethylene to improve environmental stress cracking resistance. Carbon black or ultraviolet stabilizer should be added to make the product conform to the cable sheath specification.

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	9.0	g/10 min	ASTM D1238
190°C/5.0 kg	0.35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	27.0	MPa	ASTM D638
Fracture	33.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	ASTM D638
Fracture	840	%	ASTM D638
Flexural Modulus - 1% Secant	960	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	129	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.5E+16	ohms·cm	ASTM D257
Dielectric Constant (60 Hz)	2.10		ASTM D150
Dissipation Factor (60 Hz)	4.0E-4		ASTM D150
Legal statement			

本产品不宜在与食品接触的应用中使用.本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用

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