

ExxonMobil™ HDPE HPA 020HD5 Wire & Cable

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

HPA 020HD5 is a HDPE grade for Medium/High Voltage power cable jacketing. The grade should be used in blends with LLDPE to improve Environmental Stress Crack Resistance (ESCR). Sufficient Carbon Black or UV stabilizer should be added to meet cable jacketing specifications.

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			

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

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