ExxonMobil™ HDPE HPA 020 Molding

High Density Polyethylene (HMW) Resin

ExxonMobil Chemical

Message:

HPA 020 is a high molecular weight high density polyethylene resin, which is characterized by a good balance between hardness, environmental stress cracking resistance and impact strength.

General Information			
Additive	heat stabilizer		
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
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal	330	hr	ASTM D1693
100% Igepal	> 600	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 15 sec)	61		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1]	1000	MPa	ASTM D638
Tensile Strength [2]			ASTM D638
Yield	21.0	MPa	ASTM D638
100% strain	14.0	MPa	ASTM D638
Tensile Elongation [3] (Break)	> 100	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	18	kJ/m^2	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	126	°C	ASTM D1525
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.			
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		

Recommended distributors for this material

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