ExxonMobil Paxon™ AU55-003 Blow Molding Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

AU55-003 is a blow molding grade high density polyethylene containing an excellent antistat additive, offering a good combination of stiffness and stress crack resistance. An enhanced additive package had been incorporated in this material for improved melt processability, physical properties and low color. AU55-003 contains an antistat which may be used in contact with limited types of food.Information provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-AU55-003-Blow-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in³	ASTM D4883
ESCR 100% Igepal®	25 hour	25 hour	ASTM D1693 Condition B
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	14.5 MPa	2100 psi	ASTM D638
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
Elongation at Break	560 %	560 %	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	Method1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Tensile Impact Strength	189 kJ/m²	90.0 ft-lb/in²	ASTM D1822

Thermal Properties	Metric	English	Comments
CTE, linear	110 µm/m-°C @Temperature 20.0 °C	61.1 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	74.0 °C	165 °F	ASTM D648
Vicat Softening Point	127 °C	260 °F	ASTM D1525
Brittleness Temperature	<= -76.1 °C	<= -105 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	191 °C	375 °F	

Descriptive Properties	Value	Comments
Features	Antistat and Thermal Stabilizer	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China