

ExxonMobil Paxon™ AL55-003 Blow Molding Resin

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

Material Notes:

Product Description: AL55-003 is a blow molding grade high density polyethylene offering a good combination of stiffness and stress crack resistance. Availability: Latin America, North America and South America Additive: Thermal Stabilizer: Yes Antistatic: No Applications: Drainage Pipes Food packaging Household and Industrial chemical containers Pharmaceutical Packaging Thermoformed Parts Thin Gauge Sheet Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-AL55-003-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D4883
ESCR 100% Igepal®	30 hour	30 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, Yield	28.3 MPa	4100 psi	ASTM D638
Elongation at Break	560 %	560 %	ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	Method 1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Tensile Impact Strength	189 kJ/m ²	90.0 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
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	

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