

ExxonMobil Paxon™ AA60-003 Blow Molding Resin

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

Material Notes:

Product Description: AA60-003 is a medium molecular weight distribution high density polyethylene which is characterized by high stiffness, excellent melt uniformity, and chemical inertness.
Availability: Latin America, North America and South America
Additive: Thermal Stabilizer: Yes
Antistatic: No
Applications: Food packaging
Liquid Food Containers for Milk, Water and Juices
Thermoformed Parts
Thin Gauge Sheet
Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-AA60-003-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.963 g/cc	0.0348 lb/in ³	ASTM D4883
ESCR 100% Igepal®	20 hour	20 hour	ASTM D1693 Condition B
Melt Flow	0.25 g/10 min @Load 2.16 kg, Temperature 190 °C	0.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.7 MPa	4600 psi	ASTM D638
Elongation at Break	450 %	450 %	ASTM D638
Flexural Modulus	1.62 GPa	235 ksi	Method 1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Tensile Impact Strength	147 kJ/m ²	70.0 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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