

ExxonMobil Paxon™ BA7794 Sheet Extrusion and Blow Molding Resin (discontinued **)

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

Material Notes:

BA7794 is a 25% talc-filled, high molecular weight, high density polyethylene. This color match-able material has been specifically developed as a cost effective resin for applications which requiring excellent stiffness, impact and heat deflection temperatures. Its design features include excellent rigidity, dimensional stability, warpage resistance, and heat deflection temperature. It also has good low temperature impact resistance. Resin must be dried just prior to the blow molding or sheet extrusion process. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-BA7794-Sheet-Extrusion-and-Blow-Molding-Resin-nbspdiscontinued-.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	11.7 MPa	1700 psi	ASTM D638
Tensile Strength, Yield	28.3 MPa	4100 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	2.62 GPa	380 ksi	Method 1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Gardner Impact	39.5 J @Temperature 23.0 °C	29.2 ft-lb @Temperature 73.4 °F	ASTM D3029
Tensile Impact Strength	94.5 kJ/m ²	45.0 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °F	ASTM D648

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