

## ExxonMobil Paxon™ BA7718 Sheet Extrusion and Blow Molding Resin (discontinued \*\*)

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

### Material Notes:

BA7718 is a 25% brown mica-filled, medium molecular weight, high density polyethylene. This material has been specifically developed as a cost effective resin for applications which require outstanding stiffness and heat deflection temperatures. This material is designed for increased rigidity, dimensional stability, warpage resistance, and heat deflection temperatures compared to conventional HDPE. 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-BA7718-Sheet-Extrusion-and-Blow-Molding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-BA7718-Sheet-Extrusion-and-Blow-Molding-Resin-nbspdiscontinued-.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	15s; ASTM D2240
Tensile Strength at Break	37.2 MPa	5400 psi	ASTM D638
Tensile Strength, Yield	42.1 MPa	6100 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	2.62 GPa	380 ksi	Method 1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Gardner Impact	22.6 J @Temperature 23.0 °C	16.7 ft-lb @Temperature 73.4 °F	ASTM D3029
Tensile Impact Strength	52.5 kJ/m <sup>2</sup>	25.0 ft-lb/in <sup>2</sup>	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

## Contact Songhan Plastic Technology Co.,Ltd.

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