

## ExxonMobil Paxon™ AG45-004 Blow Molding Resin (discontinued \*\*)

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

### Material Notes:

AG45-004 is a blow molding high density polyethylene which offers exceptional stress crack resistance and impact performance. It contains an antistat which permits this resin to be used in all food packaging applications. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Paxon-AG45-004-Blow-Molding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-AG45-004-Blow-Molding-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in <sup>3</sup>	ASTM D4883
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	ASTM D1693 Condition B
Melt Flow	0.35 g/10 min @Load 2.16 kg, Temperature 190 °C	0.35 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.9 MPa	2600 psi	ASTM D638
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	900 %	900 %	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Tensile Modulus	1.72 GPa	250 ksi	ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	Method 1, Procedure A (1"x3"x0.125"), Tangent calculation; ASTM D790
Tensile Impact Strength	231 kJ/m <sup>2</sup>	110 ft-lb/in <sup>2</sup>	ASTM D1822

Thermal Properties	Metric	English	Comments
CTE, linear	120 µm/m-°C @Temperature 20.0 °C	66.7 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	66.0 °C	151 °F	ASTM D648
Vicat Softening Point	121 °C	250 °F	ASTM D1525
Brittleness Temperature	<= -76.1 °C	<= -105 °F	ASTM D746

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	191 °C Metric	375 °F English	Comments
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Descriptive Properties	Value	Comments
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Features Antistat and Thermal Stabilizer

## Contact Songhan Plastic Technology Co.,Ltd.

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