

## Diamond Polymers ABS 3500 EF-Low Gel Extrusion Grade, Low Gel

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Extruded

### Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-ABS-3500-EF-Low-Gel-Extrusion-Grade-Low-Gel.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-ABS-3500-EF-Low-Gel-Extrusion-Grade-Low-Gel.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	1.8 g/10 min	1.8 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	chs 2 in/min; ASTM D638
Elongation at Break	45 %	45 %	chs 2 in/min; ASTM D638
Elongation at Yield	2.4 %	2.4 %	chs 2 in/min; ASTM D638
Flexural Strength	77.0 MPa	11200 psi	tangent; chs 0.05 in/min; ASTM D790
	@Thickness 3.17 mm	@Thickness 0.125 in	
Flexural Modulus	2.598 GPa	376.8 ksi	tangent; chs 0.05 in/min; ASTM D790
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Notched	1.282 J/cm	2.402 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	112 °C	234 °F	ASTM D1525
	@Load 1.00 kg, Thickness 3.17 mm	@Load 2.20 lb, Thickness 0.125 in	

Optical Properties	Metric	English	Comments
Gloss	95 %	95 %	60°; ASTM D523

## **Contact Songhan Plastic Technology Co.,Ltd.**

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