

Styron Magnum® 345 ABS

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

Material Notes:

MAGNUM® ABS resins are thermoplastic materials which provide an excellent balance of processability, impact resistance and heat resistance as imparted by the various polymer compositions. MAGNUM ABS resin are available in a wide range of melt flow rates, impact strength and heat resistance for both high and low gloss applications manufactured by injection molding, sheet or profile extrusion and thermoforming. MAGNUM ABS resins offer a wide range of processability and impact resistance for low gloss injection molding applications. Combined with heat resistance and tensile and flexural strength, MAGNUM ABS resins are used in a wide variety of injection molding applications. MAGNUM 345 ABS resin is the easiest processing low gloss, low impact strength injection molding resin. With a high melt flow rate of 12 g/10 min., it is often selected for hard to fill molds or long flow lengths. Data provided by Dow Chemical. This product line was spun off from Dow Chemical to Styron in 2010.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-Magnum-345-ABS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM Data
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	
Melt Flow	15 g/10 min @Load 3.80 kg, Temperature 230 °C	15 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM Data

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.9 MPa	5500 psi	ASTM Data
Elongation at Break	110 %	110 %	ASTM Data
Tensile Modulus	2.08 GPa	302 ksi	ASTM Data
Izod Impact, Notched	1.33 J/cm	2.49 ft-lb/in	ASTM Data
Impact Test	35.0 J @Temperature 23.0 °C	25.8 ft-lb @Temperature 73.4 °F	Instrumented Dart Total Energy

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	Unannealed; ASTM Data
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °F	Unannealed; ASTM Data
Vicat Softening Point	103 °C	217 °F	

Thermal Properties Flammability, UL 94	^{UL94} Metric	^{UL94} English	Comments
	@Thickness 1.47 mm	@Thickness 0.0579 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China