

Styron Magnum® SPD 214 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® SPD 214 ABS resin is a low gloss, medium impact, blending/ coextrusion grade. 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-SPD-214-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	3.9 g/10 min @Load 3.80 kg, Temperature 230 °C	3.9 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM Data

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	
Tensile Strength, Yield	30.3 MPa	4390 psi	ASTM Data
Elongation at Break	50 %	50 %	ASTM Data
Elongation at Yield	1.8 %	1.8 %	ISO Data
Tensile Modulus	1.86 GPa	270 ksi	ASTM Data
Izod Impact, Notched	1.33 J/cm	2.49 ft-lb/in	ASTM Data
Charpy Impact Unnotched	NB	NB	ISO Data
	NB	NB	ISO Data, Low Temp
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO Data, Low Temp
	1.60 J/cm ²	7.61 ft-lb/in ²	ISO Data

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	84.0 µm/m-°C @Temperature 20.0 °C	46.7 µin/in-°F @Temperature 68.0 °F	ISO data

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	98.9 Â°C	218 Â°F	Annealed, ASTM Data
Vicat Softening Point	104 Â°C	219 Â°F	

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