

Styron Magnum® 9043 ABS, High Gloss Sheet Extrusion Grade

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

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® 9043 ABS resin is a high gloss sheet extrusion grade tailored for refrigerator liner applications. 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-9043-ABS-High-Gloss-Sheet-Extrusion-Grade.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--|--|-----------|
| Density | 1.08 g/cc | 0.0390 lb/in ³ | ASTM Data |
| Linear Mold Shrinkage | 0.0055 cm/cm | 0.0055 in/in | |
| Melt Flow | 2.0 g/10 min @Load 3.80 kg, Temperature 230 °C | 2.0 g/10 min @Load 8.38 lb, Temperature 446 °F | ASTM Data |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--------------------------------|------------------------------------|--------------------------------|
| Tensile Strength, Ultimate | 29.0 MPa | 4210 psi | ASTM Data |
| Tensile Strength, Yield | 38.6 MPa | 5600 psi | ASTM Data |
| Elongation at Break | 40 % | 40 % | ASTM Data |
| Tensile Modulus | 2.10 GPa | 305 ksi | ASTM Data |
| Izod Impact, Notched | 4.80 J/cm | 8.99 ft-lb/in | ASTM Data |
| Impact Test | 54.0 J @Temperature 23.0 °C | 39.8 ft-lb @Temperature 73.4 °F | Instrumented Dart Total Energy |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 93.0 °C | 199 °F | Unannealed; ASTM Data |
| Deflection Temperature at 1.8 MPa (264 psi) | 79.0 °C | 174 °F | Unannealed; ASTM Data |
| Vicat Softening Point | 107 °C | 225 °F | |
| Flammability, UL94 | HB | HB | |

| Thermal Properties | @Thickness 1.47 mm Metric | @Thickness 0.0579 in English | Comments |
|--------------------|------------------------------|---------------------------------|---------------------|
| Optical Properties | Metric | English | Comments |
| Gloss | 95 % | 95 % | Gardner Gloss, 60Å° |

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