

## Styrolution Zylar 960 MBS

Category : Polymer , Thermoplastic , Acrylic (PMMA)

### Material Notes:

ZYLAR 960 is an impact modified styrene acrylic copolymer that provides toughness equivalent to some grades of polycarbonate, good clarity and superior processing characteristics for demanding injection molded applications. Exceptional toughness Low density Ease of processing Gamma & ETO sterilizable Meets USP XXIII specifications for Class VI plastics Information provided by Styrolution

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Styrolution-Zylar-960-MBS.php](http://www.lookpolymers.com/polymer_Styrolution-Zylar-960-MBS.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ASTM D 792
Water Absorption at Saturation	0.10 % @Temperature 23.0 Â°C	0.10 % @Temperature 73.4 Â°F	ASTM D 570
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D 955
Melt Flow	6.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	6.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	62	62	ASTM D 785
Tensile Strength, Yield	23.4 MPa	3400 psi	ASTM D 638
Elongation at Break	70 %	70 %	ASTM D 638
Tensile Modulus	1.72 GPa	250 ksi	ASTM D 638
Flexural Strength	42.7 MPa	6200 psi	ASTM D 790
Flexural Modulus	1.72 GPa	250 ksi	ASTM D 790
Izod Impact, Notched	5.87 J/cm	11.0 ft-lb/in	ASTM D 256
Gardner Impact	19.2 J	14.2 ft-lb	ASTM D 5420

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	249 Â°C	480 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	86.1 Â°C	187 Â°F	
	93.9 Â°C	201 Â°F	

Vicat Softening Point Thermal Properties	Metric @Load 1.02 kg	English @Load 2.25 lb	120Å°C/h- ASTM D 1525 Comments
---	-------------------------	--------------------------	-----------------------------------

Optical Properties	Metric	English	Comments
Refractive Index	1.57	1.57	Sodium D Line; ASTM D 542
Haze	2.0 %	2.0 %	ASTM D 1003
Transmission, Visible	>= 91 % @Wavelength 550 nm	>= 91 % @Wavelength 550 nm	ASTM D 1003

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 238 Å°C	400 - 460 Å°F	
Mold Temperature	26.7 - 54.4 Å°C	80.0 - 130 Å°F	
Drying Temperature	65.6 Å°C @Time 7200 sec	150 Å°F @Time 2.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China