

American Polymers API 650-21 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

API 650-21 has been developed for injection molding applications that need a higher degree of toughness and gloss than conventional polystyrene. This polymer approaches ABS type properties. Applications: Widely used in appliance housings, toys, bathroom accessories and displays. Information provided by American Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_American-Polymers-API-650-21-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Melt Flow	8.0 g/10 min	8.0 g/10 min	Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	45	45	ASTM D785
Tensile Strength, Ultimate	21.4 MPa	3100 psi	ASTM D638
Elongation at Break	48 %	48 %	ASTM D638
Tensile Modulus	1.99 GPa	288 ksi	ASTM D638
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	1.44 J/cm @Thickness 3.17 mm	2.70 ft-lb/in @Thickness 0.125 in	injection molded sample; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.1 °C	178 °F	Annealed; ASTM D648
Vicat Softening Point	88.9 °C	192 °F	ASTM D1525

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