

American Polymers API 425 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

Material Notes:

API 425 is a medium impact grade of polystyrene for injection molding. API 425 has good gloss, easy flow and fast cycling properties. Applications: API 425 is widely used in cosmetic packaging, food packaging, cassettes, caps and closures. Information provided by American Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_American-Polymers-API-425-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 L	48	48	ASTM D785
Tensile Strength, Ultimate	33.1 MPa	4800 psi	ASTM D638
Elongation at Break	24 %	24 %	ASTM D638
Tensile Modulus	1.93 GPa	280 ksi	ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 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)	87.2 °C	189 °F	Annealed; ASTM D648
Vicat Softening Point	94.4 °C	202 °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