

NIZHNEKAMSKNEFTEKHIM 525 General Purpose Polystyrene

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

Material Notes:

Grade 525 is a crystal polystyrene for both injection molding and cap layer co-extrusion. Injection molding applications such as medical and laboratory parts, tumblers, and jewel boxes demonstrate the polymer's ability to be molded with minimal stresses and fast cycles. Utilizing 525 as a cap layer in cups, plates and other consumer disposables takes advantage of this polymer's melt rheology. Information provided by manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_NIZHNEKAMSKNEFTEKHIM-525-General-Purpose-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	7.0 - 11 g/10 min @Load 5.00 kg, Temperature 200 °C	7.0 - 11 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 37.0 MPa	>= 5370 psi	ASTM D638
Flexural Strength	>= 80.0 MPa	>= 11600 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	>= 92.0 °C	>= 198 °F	ASTM D1525

Chemical Properties	Metric	English	Comments
Styrene Content	<= 0.050 %	<= 0.050 %	p. 4.10 of the TU

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