

NIZHNEKAMSKNEFTEKHIM 825ES High Impact Polystyrene

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

Material Notes:

Grade 825ES is a high impact polystyrene designed for extrusion and hot molding application. It is suited for hot molded deep drawn industrial packages and multilayer shaped sheet production via extrusion. It is used for thin layer extrusion. Information provided by manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_NIZHNEKAMSKNEFTEKHIM-825ES-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	3.0 - 5.0 g/10 min @Load 5.00 kg, Temperature 200 °C	3.0 - 5.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 21.0 MPa	>= 3050 psi	ASTM D638
Elongation at Break	>= 50 %	>= 50 %	ASTM D638
Flexural Strength	>= 35.0 MPa	>= 5080 psi	ASTM D790
Izod Impact, Notched	>= 0.960 J/cm	>= 1.80 ft-lb/in	ASTM D256

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

Optical Properties	Metric	English	Comments
Gloss	50 %	50 %	60°; ASTM D523

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

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