

NIZHNEKAMSKNEFTEKHIM 825E High Impact Polystyrene

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

Material Notes:

Grade 825E is a high impact polystyrene designed specifically for extrusion and thermoforming. It is used for production of industrial packaging via deep draw thermoforming and custom multilayer sheet extrusion. Information provided by manufacturer

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Melt Flow	2.0 - 3.0 g/10 min	2.0 - 3.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 21.0 MPa	>= 3050 psi	ASTM D638
Elongation at Break	>= 45 %	>= 45 %	ASTM D638
Flexural Strength	>= 41.0 MPa	>= 5950 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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