

Videolar 585 Crystal Polystyrene (GPPS)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Transparent Grade

Material Notes:

High heat extrusion crystal Superior oriented polystyrene sheet Features: Low melt flow High molecular weight Applications: Foam applications such as egg cartons, meat trays and food service Superior oriented polystyrene sheet Information provided by Dax Resinas

Order this product through the following link:

http://www.lookpolymers.com/polymer_Videolar-585-Crystal-Polystyrene-GPPS.php

Physical Properties	Metric	English	Comments
Bulk Density	0.650 g/cc	0.0235 lb/in ³	ISO 060
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	
Melt Flow	1.8 g/10 min @Load 5.00 kg, Temperature 200 °C	1.8 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.0 MPa	7540 psi	ASTM D638
Tensile Modulus	3.24 GPa	470 ksi	ASTM D638
Flexural Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	3.24 GPa	470 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	98.0 °C	208 °F	@ 264 psi; ASTM D648
Vicat Softening Point	104 °C	219 °F	ASTM D1525
Flammability, UL94	HB	HB	

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