

Styrolution PS-148G Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Heat Resistant Grade

Material Notes:

Description: Polystyrene 148G is a high heat, easy flow general purpose polystyrene with excellent moldability, clarity and fast set-up time. It can be utilized as a coextruded gloss cap over high impact polystyrene. Application: Include CD jewel boxes, housewares, office accessories and medical products. Information provided by STYROLUTION, which is a joint venture between BASF and INEOS

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-PS-148G-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.01143 cm/cm	0.01143 in/in	ASTM D955
Melt Flow	6.0 g/10 min	6.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	44.0 MPa	6380 psi	ASTM D638
Tensile Modulus	2.48 GPa	360 ksi	ASTM D638
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.0 Â°C	190 Â°F	ASTM D648
Vicat Softening Point	109 Â°C @Load 1.02 kg, Temperature 120 Â°C	228 Â°F @Load 2.25 lb, Temperature 248 Â°F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 230 Â°C	392 - 446 Â°F	Extrusion
	182 - 277 Â°C	360 - 531 Â°F	Injection

Descriptive Properties	Value	Comments
Commercial Status	North America	

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