

Styrolution PS 153A GPPS

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

Material Notes:

Styrolution PS 153A is an antistatic modified, general purpose polystyrene grade with a good flow characteristic. Antistatic Good flow characteristics
Information provided by Styrolution

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-PS-153A-GPPS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ISO 294-4
Melt Flow	17 g/10 min @Load 5.00 kg, Temperature 200 °C	17 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.0 MPa	5080 psi	ISO 527
Elongation at Break	1.5 %	1.5 %	ISO 527
Tensile Modulus	3.20 GPa	464 ksi	ISO 527
Flexural Strength	55.0 MPa	7980 psi	ISO 178
Charpy Impact Unnotched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359
Vicat Softening Point	85.0 °C @Load 5.10 kg	185 °F @Load 11.2 lb	120°C/h; ASTM D 1525

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 280 °C	356 - 536 °F	ISO 294

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