

Dow Retain® PS-4578 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

Material Notes:

Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Retain-PS-4578-Polystyrene.php

Physical Properties	Metric	English	Comments
Melt Flow	5.4 g/10 min @Load 5.00 kg, Temperature 200 °C	5.4 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM Data

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	29.0 MPa	4210 psi	ASTM Data
Tensile Strength, Yield	30.3 MPa	4390 psi	ASTM Data
Elongation at Break	20 %	20 %	ASTM Data
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM Data

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	76.7 °C	170 °F	Annealed; ASTM Data
Vicat Softening Point	102 °C	216 °F	

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