

Styron DGF080.00 ESU Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Overview: 10% glass filled polypropyleneNaturalMedium flowHeat ResistantInformation provided by Styron

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-DGF08000-ESU-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	ASTM D792
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ISO 868
Tensile Strength, Yield	21.6 MPa	3130 psi	ISO 527-2
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	
	17.0 kJ/m ²	8.09 ft-lb/in ²	ISO 180/1A
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 Â°C	203 Â°F	Unannealed; ISO 75-2/Bf
Deflection Temperature at 1.8 MPa (264 psi)	52.0 Â°C	126 Â°F	Unannealed; ISO 75-2/Af
Flame Spread	35.0 mm/min	1.38 in/min	ISO 3795

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