

Styron INSPIRE[®],ç TF1302 Thermoplastic Polyolefin

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Information provided by DowThe Inspire brand was spun off from Dow Chemical to Styron in 2010

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-INSPIRE-TF1302-Thermoplastic-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ASTM D792B
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 230 °C	11 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D638; ISO 527-2
Elongation at Yield	6.0 %	6.0 %	ASTM D638; ISO 527-2
Flexural Modulus	1.21 GPa	175 ksi	ASTM D709A
Izod Impact, Notched	NB	NB	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.3 °C	200 °F	unannealed; ASTM D648; ISO 75-2/B

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