

INSPIRE™ TF1302
Performance Polymers

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.00 g/cm ³	1.00 g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11 g/10 min	11 g/10 min	ASTM D1238 ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2900 psi	20.0 MPa	ASTM D638 ISO 527-2
Tensile Elongation (Yield)	6.0 %	6.0 %	ASTM D638 ISO 527-2
Flexural Modulus	175000 psi	1210 MPa	ASTM D790A
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D256A
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	200 °F	93.3 °C	ASTM D648
66 psi (0.45 MPa), Unannealed	199 °F	93.0 °C	ISO 75-2/B