

INSPIRE™ TF1301
Performance Polymers

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.965 g/cm ³	0.965 g/cm ³	ASTM D792B ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17 g/10 min	17 g/10 min	ASTM D1238 ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2350 psi	16.2 MPa	ASTM D638 ISO 527-2
Tensile Elongation (Yield)	10 %	10 %	ASTM D638 ISO 527-2
Flexural Modulus	125000 psi	862 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	185 °F	85.0 °C	ASTM D648 ISO 75-2/B

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.



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