

INSPIRE™ TF1302

Performance Polymers

Trinseo

Message:

INSPIRE™ TF1302 is a Performance Polymers product filled with talc. It can be processed by injection molding and is available in Latin America or North America. Typical application: Automotive.

General Information			
Filler / Reinforcement	Talc		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield)	6.0	%	ASTM D638, ISO 527-2
Flexural Modulus	1210	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	93.3	°C	ASTM D648
0.45 MPa, Unannealed	93.0	°C	ISO 75-2/B

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