

Technical Data Sheet

Polyfort TPO20AT19GY-GY FERROFLEX



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort TPO20AT19GY-GY FERROFLEX TPOGRY is a Polypropylene, Unspecified Mineral, 20% filled material and is typically used in Injection Molding applications. Features include: Impact Modified.

Processing Method	Injection Molding
Attribute	Impact Modified
Forms	Pellets
Additive	Impact Modifier
Filler/Reinforcement	Mineral, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density - Specific Gravity	1.03	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	20.0	MPa	ASTM D638
Flexural Strength at Yield, (23 °C)	29.6	MPa	ASTM D790
Flexural Modulus			
(23 °C, 1% Secant)	1380	MPa	ASTM D790
(23 °C, Tangent)	1650	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	50	%	ASTM D638
Impact			
Gardner Impact	18.1	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	960	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	1800	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	54.4	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	104	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C