

FERREX® GPP20CS70BK

Polypropylene
Ferro Corporation

Message:

25% P.C.R.
Meets/exceeds Ford Engineering Material Specification WSS-M4D959-A. Primary use is for fuel vapor storage brackets.

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Additive	Impact modifier heat stabilizer		
Features	Impact modification Thermal Stability		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.8	g/10 min	ISO 1133
Molding Shrinkage	1.6	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	21.8	MPa	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	3.3	kJ/m²	ISO 180
23°C	9.7	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	105	°C	ISO 75-2/B
1.8 MPa, not annealed	65.0	°C	ISO 75-2/A
Additional Information			

Tensile/Izod Change, ISO 188, 1000 hr, 120°C: +6/+4 %

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