

Technical Data Sheet

Polyfort HPP20GR41HB-BK GAPEXBLK



Polypropylene, Homopolymer

Product Description

Polyfort HPP20GR41HB-BK GAPEXBLK is a Polypropylene Homopolymer Glass Fiber\Mineral, 21% filled material. Features include: Chemically Coupled.

Attribute	Chemically Coupled
Forms	Pellets
Appearance	Black
Filler/Reinforcement	Glass Fiber\Mineral, 21%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.06	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	49.6	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	3280	MPa	ASTM D790
(23 °C, Tangent)	3400	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	4.0	%	ASTM D638
Flexural Strength, (23 °C)	73.8	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	0.339	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	310	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	53	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	124	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	152	°C	ASTM D648