

Technical Data Sheet

Polyfort RPP30EC53HB-BK GAPEX HPBLK



Polypropylene, Homopolymer

Product Description

Gapex RPP30EC53HB is a 30% Fiberglass Reinforced, Chemically Coupled Homopolymer Polypropylene

Attribute	Chemically Coupled; Homopolymer
Forms	Pellets
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	79.3	MPa	ASTM D638
Flexural Modulus, (23 °C, Tangent)	5700	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	96	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	149	°C	ASTM D648
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	71 to 82	°C
Nozzle Temperature	232 to 260	°C
Processing (Melt) Temp	221 to 238	°C
Front Temperature	232 to 260	°C
Middle Temperature	227 to 243	°C
Rear Temperature	221 to 238	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.138 to 0.345	MPa
Mold Temperature	38 to 66	°C
Cushion	5.08 to 12.7	mm