

Technical Data Sheet

**Polyfort APP30GP04BK-BK GAPEXBLK**



Polypropylene, Homopolymer

**Product Description**

Polyfort APP30GP04BK-BK GAPEXBLK is a Polypropylene Homopolymer Glass Fiber\Mineral, 30% filled material.

**Forms** Pellets  
**Filler/Reinforcement** Glass Fiber\Mineral, 30%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ASTM D1238
Density - Specific Gravity	1.11	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength, (23 °C)	49.6	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	3280	MPa	ASTM D790
(23 °C, Tangent)	3500	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	4.0	%	ASTM D638
Flexural Strength, (23 °C)	69.6	MPa	ASTM D790
<b>Impact</b>			
Gardner Impact, (23 °C)	0.226	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	210	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	43	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	136	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	155	°C	ASTM D648