

Technical Data Sheet

Polyfort RPP30EB56BK-BK GAPEXBLK

Polypropylene, Homopolymer

Product Description

Polyfort RPP30EB56BK-BK GAPEXBLK is a Polypropylene Homopolymer material. Features include: Chemically Coupled, and Heat Stabilized.

Attribute	Chemically Coupled; Heat Stabilized
Forms	Pellets
Appearance	Black
Additive	Heat Stabilizer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	ISO 1133
Density	1.14	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (23 °C)	71.9	MPa	ISO 527-2
Flexural Modulus, (23 °C)	5000	MPa	ISO 178
Impact			
Notched Izod Impact Strength			
(23 °C)	6.8	kJ/m ²	ISO 180
(-40 °C)	4.9	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	155	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	142	°C	ISO 75-2/A

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