

**Technical Data Sheet**



**Polyfort RPP20ER11RD-RD GAPEXRED**

Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

*Polyfort* RPP20ER11RD-RD GAPEXRED is a Polypropylene, Unspecified Glass Fiber, 20% filled material and is typically used in Injection Molding applications. Features include: Good Impact Resistance.

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Impact Resistance
<b>Forms</b>	Pellets
<b>Appearance</b>	Colors Available
<b>Filler/Reinforcement</b>	Glass Fiber, 20%

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate	3.7	g/10 min	ASTM D1238
<b>Mechanical</b>			
Tensile Strength at Yield	68.7	MPa	ASTM D638
Flexural Modulus, (Tangent)	4850	MPa	ASTM D790

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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