

GAPEX® RPP20EU78BK

Polypropylene

Ferro Corporation

Message:

GAPEX® RPP20EU78BK is a Polypropylene material filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of GAPEX® RPP20EU78BK are:

Chemically Coupled

Impact Modified

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Impact Modifier		
Features	Chemically Coupled		
	Impact Modified		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.50	%	
Across Flow	1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	61.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	3380	MPa	
Tangent : 23°C	3590	MPa	
Flexural Strength (23°C)	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Unnotched Izod Impact (23°C)	370	J/m	ASTM D256
Gardner Impact	0.282	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	152	°C	
1.8 MPa, Unannealed	141	°C	
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Drying Time	2.0 to 4.0	hr	

Rear Temperature	221 to 238	°C
Middle Temperature	227 to 243	°C
Front Temperature	232 to 260	°C
Nozzle Temperature	232 to 260	°C
Processing (Melt) Temp	221 to 238	°C
Mold Temperature	37.8 to 65.6	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.138 to 0.345	MPa
Cushion	5.08 to 12.7	mm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

