

Technical Data Sheet

# Gapex RPP20EB32BK

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

General			
Additive	• Heat Stabilizer		
Features	• Chemically Coupled	• Heat Stabilized	
Appearance	• Black		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.05 g/cm <sup>3</sup>	1.05 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	2.5 g/10 min	2.5 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	8440 psi	58.2 MPa	ISO 527-2
Flexural Modulus - Tangent	450000 psi	3100 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180
-40°F (-40°C)	2.0 ft·lb/in <sup>2</sup>	4.3 kJ/m <sup>2</sup>	
73°F (23°C)	3.0 ft·lb/in <sup>2</sup>	6.3 kJ/m <sup>2</sup>	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	311 °F	155 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	284 °F	140 °C	ISO 75-2/A

Additional Information			
Tensile/Izod Change, 1,000 hrs @ 140°C, ISO 188: +12/-2			

Technical Data Sheet

# Gapex RPP20EB32BK

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	160 to 180 °F	71 to 82 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	430 to 460 °F	221 to 238 °C
Middle Temperature	440 to 470 °F	227 to 243 °C
Front Temperature	450 to 500 °F	232 to 260 °C
Nozzle Temperature	450 to 500 °F	232 to 260 °C
Processing (Melt) Temp	430 to 460 °F	221 to 238 °C
Mold Temperature	100 to 150 °F	38 to 66 °C
Injection Rate	Slow-Moderate	Slow-Moderate
Back Pressure	20.0 to 50.0 psi	0.138 to 0.345 MPa
Cushion	0.200 to 0.500 in	5.08 to 12.7 mm

**Notes**

These are typical property values not to be construed as specification limits.