Technical Data Sheet

Gapex RPP30EB56BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General		
Additive	• Heat Stabilizer	
Features	• Chemically Coupled	• Heat Stabilized
Automotive Specifications	• CHRYSLER MS-DB-500 CPN3580 Color: Black	• FORD WSS-M4D732-A5
Appearance	• Black	
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm³	1.14 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	4.0 g/10 min	4.0 g/10 min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Stress (Yield, 73°f (23°c))	10400 psi	71.9 MPa	ISO 527-2
Flexural Modulus (73°f (23°c))	725000 psi	5000 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact Strength			ISO 180
-40°f (-40°c)	2.3 ft·lb/in²	4.9 kJ/m²	
73°f (23°c)	3.2 ft·lb/in²	6.8 kJ/m²	
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	288 °F	142 °C	ISO 75-2/A

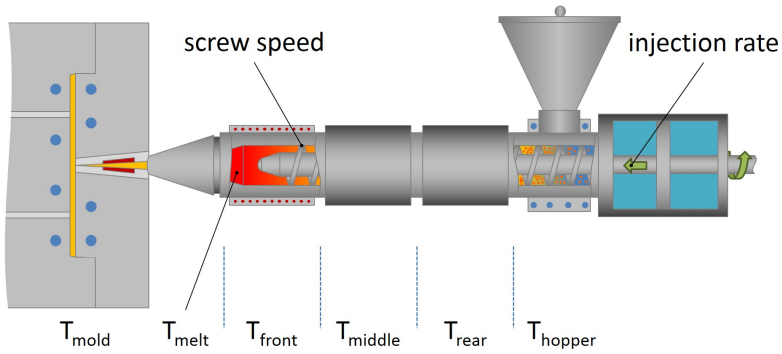
Additional Information

Tensile/Izod Change, 1,000 hrs @ 140°C, ISO 188: +7/-12

Technical Data Sheet

Gapex RPP30EB56BK

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.