

Technical Data Sheet

Gapex HPP30GR05BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General	
Additive	• Heat Stabilizer
Features	• Chemically Coupled • Heat Stabilized
Automotive Specifications	• ASTM D4000 PP0100 R30 GA113 KY053 PA040 SA040 UC037 YD153 • FORD WSB-M4D732-A4
Appearance	• Black
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm ³	1.14 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	5.3 g/10 min	5.3 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	7930 psi	54.7 MPa	ISO 527-2
Flexural Modulus	595000 psi	4100 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180
-40°F (-40°C)	1.9 ft·lb/in ²	3.9 kJ/m ²	
73°F (23°C)	2.4 ft·lb/in ²	5.1 kJ/m ²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	315 °F	157 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	280 °F	138 °C	ISO 75-2/A

Additional Information
Tensile/Izod Change, 1,000 hrs @ 40°C, ISO 188: +16/+7

Notes

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