

Technical Data Sheet

Polyfort HPP40GR21BK-HB BLACK



Polypropylene, Homopolymer

Product Description

Polyfort HPP40GR21BK-HB BLACK is a Polypropylene Homopolymer Glass Fiber/Mineral, 40% filled material. Features include: Chemically Coupled.

Regulatory Status

For regulatory compliance information, see HPP40GR21BK-HB BLACK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Latin America; North America
Attribute	Chemically Coupled
Forms	Pellets
Appearance	Black
Filler/Reinforcement	Glass Fiber/Mineral, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.24	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	70.3	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	6730	MPa	ASTM D790
(23 °C, Tangent)	6850	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	3.0	%	ASTM D638
Flexural Strength, (23 °C)	108	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	0.395	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	380	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	64	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	141	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	152	°C	ASTM D648

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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