

Technical Data Sheet

Polyfort EPP99GA02BKBLK



Polypropylene Copolymer

Product Description

Polyfort EPP99GA02BKBLK is a Polypropylene Copolymer material and is typically used in Injection Molding applications. Features include: Copolymer, and Electrically Conductive.

Regulatory Status

For regulatory compliance information, see EPP99GA02BKBLK [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Latin America; North America
Processing Method	Injection Molding
Attribute	Copolymer; Electrically Conductive
Forms	Pellets
Appearance	Black

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.30	g/10 min	ASTM D1238
Density - Specific Gravity	1.03	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	24.1	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	1210	MPa	ASTM D790
(23 °C, Tangent)	1310	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	20	%	ASTM D638
Flexural Strength, (23 °C)	31.7	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	22.6	J	ASTM D5420
Notched Izod Impact, (23 °C)	510	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	57.2	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	132	°C	ASTM D648
Electrical			
Volume Resistivity	300	ohm*cm	ASTM D257
Surface Resistivity	600	ohm	ASTM D257



Injection Parameters	Nominal Value	Units
Drying Time	2	hr
Drying Temperature	93	°C
Clamp Tonnage	2.8 to 4.1	kN/cm ²
Nozzle Temperature	216 to 260	°C
Screw Speed	40 to 100	rpm
Front Temperature	221 to 260	°C
Screw L/D Ratio	20.0-1.0	
Screw Compression Ratio	2.0-1.0	
Middle Temperature	216 to 260	°C
Rear Temperature	204 to 232	°C
Back Pressure	0.138 to 0.345	MPa
Mold Temperature	27 to 66	°C

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/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.