Technical Data Sheet

Hostacom PC072-3 NATURAL

Polypropylene Compounds

Product Description

Hostacom PC072-3 NATURAL is a glass fiber reinforced PP homopolymer with low melt flow rate. Product is UL listed.

Regulatory Status

For regulatory compliance information, see *Hostacom* PC072-3 NATURAL Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Application	White Goods
Market	Electrical / Electronics
Processing Method	Injection Molding
Attribute	CAE data available: See "Notes"

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(230 °C/2.16 kg)	2	g/10 min	ISO 1133-1
(230 °C/2.16 kg)	2	g/10 min	ASTM D1238
Density			
(23 °C)	1.12	g/cm³	ASTM D792
(23 °C)	1.14	g/cm³	ISO 1183-1/A
Mechanical			
Flexural Modulus			
(23 °C)	59800	kg/cm²	ASTM D790
(23 °C, Tech. A)	5400	MPa	ISO 178/A1
Flexural Strength, (23 °C)	1120	kg/cm²	ASTM D790
Tensile Modulus			
(23 °C)	6400	MPa	ISO 527-1, -2
(23 °C)	62900	kg/cm²	ASTM D638
Tensile Strength, (23 °C)	870	kg/cm²	ASTM D638
Tensile Stress at Yield, (23 °C)	85	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	3.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	9.5	kJ/m²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	40	kJ/m²	ISO 179-1/1eU
Notched Izod Impact Strength, (23 °C)	11	kg*cm/cm	ASTM D256
Thermal			
Vicat Softening Temperature, (B50)	130	°C	ISO 306

Manufacturer website: https://www.lyondellbasell.com/en/

Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	155	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	161	°C	ASTM D648
(1.80 MPa, Unannealed)	130	°C	ISO 75A-1, -2
Flammable			
Flame Rating - UL			
(1.5 mm)	HB		UL 94
(3.0 mm)	HB		UL 94

Notes

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

Availability indicates the region where the material is produced. For importation or demand of a local equivalent grade, please contact our Sales Representatives.

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

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

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