

Technical Data Sheet

Hostacom EKC 318D NAT

Polypropylene Compounds



Product Description

Hostacom EKC 318D NAT is a mineral filled PP copolymer with medium melt flow rate.

Regulatory Status

For regulatory compliance information, see Hostacom EKC 318D NAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

Status	Commercial: Active
Availability	Europe; North America
Application	Battery Cases
Market	Electrical / Electronics
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230°C/2.16 kg)	12.5	g/10 min	ISO 1133
Melt Volume Flow Rate, (230°C/2.16 kg)	14	cm ³ /10 min	ISO 1133
Density, (23°C)	1.05	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23°C, Tech. A)	2000	MPa	ISO 178/A1
Tensile Modulus, (23°C)	1950	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23°C)	22	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23°C)	4	%	ISO 527-1, -2
Impact			
Notched Charpy Impact Strength			
(23°C)	8.5	kJ/m ²	ISO 179-1/1eA
(0°C)	4	kJ/m ²	ISO 179-1/1eA
Unnotched Charpy Impact Strength			
(23°C)	100	kJ/m ²	ISO 179-1/1eU
(0°C)	50	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B/50 N)	60	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	57	°C	ISO 75A-1, -2

Notes

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

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Recipient Tracking #:
Request #: 0

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

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- Basell Poliolefinas Ltda.
- Basell Poliolefinas, S. de R.L. de C.V.
- LyondellBasell Australia Pty Ltd
- Petroken Petroquimica Ensenada SA

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

Disclaimer

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally.

SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

Users should review the applicable Safety Data Sheet before handling the product.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:

- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.

The product(s) may not be used in:

- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

In addition to the above, LyondellBasell may further prohibit or restrict the use of its products in certain applications. For further information, please contact a LyondellBasell representative.

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