

Hostacom EKC 318D NAT

Compounded Polyolefin

Product Description

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

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

Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Medium melt flow rate.
Typical Customer Applications	Used for battery cases.

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	12.5	g/10 min
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	14	cm ³ /10 min
Density (23 °C)	ISO 1183-1/A	1.05	g/cm ³
Mechanical			
Tensile Modulus (23 °C)	ISO 527-1, -2	1950	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	22	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	4.5	%
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	1950	MPa
Impact			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	80	kJ/m ²
Charpy Impact Strength, unnotched (0 °C)	ISO 179-1/1eU	45	kJ/m ²
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	6.5	kJ/m ²
Charpy Impact Strength, notched (0 °C)	ISO 179-1/1eA	4	kJ/m ²
Thermal			
Vicat Softening Temperature B (50 N)	ISO 306	60	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	57	°C
Heat Deflection Temperature B (0.45 MPa)	ISO 75-1, -2	95	°C

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.

