

## 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.

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

<b>Application</b>	Battery Cases
<b>Market</b>	Electrical / Electronics
<b>Processing Method</b>	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	12.5	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	14	cm <sup>3</sup> /10 min	ISO 1133-1
Density, (23 °C)	1.05	g/cm <sup>3</sup>	ISO 1183-1/A
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	8.5	kJ/m <sup>2</sup>	ISO 179-1/1eA
(0 °C)	4	kJ/m <sup>2</sup>	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	120	kJ/m <sup>2</sup>	ISO 179-1/1eU
(0 °C)	65	kJ/m <sup>2</sup>	ISO 179-1/1eU
<b>Thermal</b>			
Vicat Softening Temperature, (B50)	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