

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.

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 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	14	cm ³ /10 min	ISO 1133-1
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			
Charpy Impact Strength - Notched			
(23 °C)	8.5	kJ/m ²	ISO 179-1/1eA
(0 °C)	4	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	120	kJ/m ²	ISO 179-1/1eU
(0 °C)	65	kJ/m ²	ISO 179-1/1eU
Thermal			
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