

# Hostacom EKC 318D NAT

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

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

### General

Uses	• Battery Cases	• Electrical/Electronic Applications
Processing Method	• Injection Molding	

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.05	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	283000	psi	ISO 527-1
Tensile Stress (Yield, 73°F)	3190	psi	ISO 527-2
Tensile Strain (Yield, 73°F)	4.0	%	ISO 527-2
Flexural Modulus <sup>2</sup> (73°F)	290000	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
32°F	1.9	ft-lb/in <sup>2</sup>	
73°F	4.0	ft-lb/in <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
32°F	31	ft-lb/in <sup>2</sup>	
73°F	57	ft-lb/in <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	212	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	135	°F	ISO 75-2/A
Vicat Softening Temperature	140	°F	ISO 306/B50

### Disclaimer

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

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type 1A