

Technical Data Sheet

Hostacom TRC 427D 303612

Polypropylene Compounds

Product Description

Hostacom TRC 427D 303612 is a mineral filled elastomer modified PP with high melt flow rate.

Application	White Goods
Market	Electrical / Electronics
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	15	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.13	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	1900	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	1850	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	21	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	5.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	20	kJ/m ²	ISO 179-1/1eA
(0 °C)	4.5	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	>100	kJ/m ²	ISO 179-1/1eU
(0 °C)	45	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	50	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	95	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	50	°C	ISO 75A-1, -2