

Technical Data Sheet

Hostacom TKC 406P NAT



Polypropylene Compounds

Product Description

Hostacom TKC 406P NAT is a mineral filled elastomer modified PP with medium melt flow rate. It combines excellent stiffness / impact balance, good scratch resistance and high UV stability with good flowability and high dimensional stability.

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

Application	Outdoor and Power Tools
Market	Electrical / Electronics
Processing Method	Injection Molding
Attribute	Good UV Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133-1
Density, (23 °C)	1.07	g/cm³	ISO 1183-1/A
Mechanical			
Tensile Modulus, (23 °C)	2000	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	22	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	5.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	16	kJ/m²	ISO 179-1/1eA
(-30 °C)	2.5	kJ/m²	ISO 179-1/1eA
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)	55	°C	ISO 75A-1, -2