

Hostacom TKC 406P NAT

Polypropylene Copolymer

LyondellBasell Industries

Message:

"Hostacom" TKC 406P NAT is a 20 % mineral filled polypropylene copolymer. It combines excellent stiffness/impact balance, good scratch resistance and high UV stability with good flowability and high dimensional stability. The grade has been designed for injection moulding of outdoor equipment parts and is available in natural colour. The grade is not intended for medical, pharmaceutical or drinking water applications.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Copolymer		
	Good Dimensional Stability		
	Good Flow		
	Good Impact Resistance		
	Good Stiffness		
	Good UV Resistance		
	Scratch Resistant		
Uses	Outdoor Applications		
	Power/Other Tools		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	2000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	22.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	5.5	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.5	kJ/m ²	
23°C	16	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	55	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B

1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	50.0	°C	ISO 306/B50

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