

# K PP 11003

Polypropylene

Technovinyl Polymers India Ltd.

## Message:

K PP 11003 is a Polypropylene material filled with inorganic. It is available in Africa & Middle East.

Important attributes of K PP 11003 are:

Good Stiffness

High Flow

Impact Resistant

Typical application of K PP 11003: Automotive

General Information			
Filler / Reinforcement	Inorganic		
Features	Good Impact Resistance		
	Good Stiffness		
	High Flow		
Uses	Automotive Bumper		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	> 35	g/10 min	ASTM D1238
Molding Shrinkage - Flow	< 0.80	%	
Light Fastness	2	month	
Heat Aging - Elevated Temp. <sup>1</sup> (150°C)	No decomposition typical of PP		
Heat Resistance - Elevated Temp. <sup>2</sup> (100°C)	No change in shape or surface		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 1.67	MPa	ASTM D638
Flexural Modulus	> 1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	> 100	°C	ASTM D648
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
NOTE			
1.	400 hrs		
2.	24 hrs		

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