

ATPioneers PP CAP501

Compounded Polypropylene

Asia Technology Pioneers Ltd

Message:

CAP501 is a hi-tech compounded polypropylene. This Hi-composite is produced by Nano-Technology and used widely in industry and is so cost effective.

Advantages

Good paint ability

Good dimensional (Heat) stability

Outstanding surface appearance

UV resistance

Hi Melt flow

Hi Scratch resistance

Certification

ISO 9001:2008

Iranian Nano Technology Initiative Council Certification

Certification from automakers

Application

Automotive Bumpers

General Information			
Filler / Reinforcement	Unspecified Nano		
Features	Good Dimensional Stability		
	Good Surface Finish		
	Good UV Resistance		
	High Flow		
	Paintable		
	Scratch Resistant		
Uses	Automotive Bumper		
Appearance	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.6	MPa	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Flexural Strength	25.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	480	J/m	ASTM D256

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