

Asia Technology Pioneers CAP 502 PP Nanocomposite

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Description: CAP502 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 Scratch resistance Certification: ISO 9001:2008 Iranian Nano Technology Initiative Council Certification Certification from automakers Application: Automotive Bumpers Information provided by Asia Technology Pioneers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asia-Technology-Pioneers-CAP-502-PP-Nanocomposite.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D792
Melt Flow	11 g/10 min @Temperature 230 °C	11 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	23.5 MPa	3410 psi	ASTM D638M
Flexural Strength	25.46 MPa	3692 psi	ASTM D790
Flexural Modulus	1.03 GPa	149 ksi	ASTM D790
Izod Impact, Notched	6.86 J/cm	12.9 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Form	Pellets - Gray color	
Processing Method	Injection Molding	
Reinforcement Additives	Nano Particles	

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