

Shinil Chemical SHINCON PEI-CNT Magazine Rack

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Magazine Rack is used to transfer, handle, and bake lead frame or PCB substrate in semiconductor and LED packaging assembly process.

Current Metal Magazine is made of anodized aluminum which is expensive due to slow metal machining and anodizing process. Plastic

Magazine is a viable alternative because it can increase productivity by fast injection molding and significantly improve the technical

properties by CNT formulation. More important, the plastic material is lighter in weight because the specific gravity of the plastic is only

half compared to aluminum. Overall plastic magazine will increase work performance of line operators due to easy handling as well as cost

effectiveness. Information Provided by Shinil Chemical Industry Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shinil-Chemical-SHINCON-PEI-CNT-Magazine-Rack.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	157 MPa	22800 psi	
Flexural Strength	225.63 MPa	32725 psi	
Flexural Modulus	11.8 GPa	1710 ksi	
Izod Impact, Notched	0.588 J/cm	1.10 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 Â°C	410 Â°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	110000 ohm-cm	110000 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	340 Â°C	644 Â°F	

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