

Premix Thermoplastics PRESEAL 6070 Ag-Coated Glass

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Highly conductive PRESEAL® thermoplastic elastomer compounds are injection-mouldable and extrudable plastics for EMI-gasket and -housing applications, among other uses. The material is an ideal choice for mass production applications since it enables fast cycle times and requires no aftercuring. Significant Cost-Savings Through Simplified Logistics Chain: A contract manufacturing company for electronics wanted to cut down the process steps and speed up the logistic process. The EMI shielding part of the process had to be outsourced, since the company was not able to process silicone rubber. That wasted both money and time. By changing the silicone rubber into PRESEAL® elastomer the company was able to carry out the moulding in-house and accelerate the logistic process significantly, not to mention the savings achieved in overall costs. Advantages in Design and Processing: Processing by normal thermoplastic processing methods; injection molding and extrusion. Easy processability enables product designs with complex shapes and sizes. Mass-production friendly; fast cycle times, no need for vulcanisation nor primers. Recyclable and RoHS compliant. Electrical and Mechanical Properties: Volume resistivity from 0.003 to 0.030 cm Attenuation from 90 to 100 dB Low compression set Low hardness in highly filled compound Low melt viscosity Information from Premix OY

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Thermoplastics-PRESEAL-6070-Ag-Coated-Glass.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	
Compression Set	45 %	45 %	
	@Temperature 85.0 °C, Time 86400 sec	@Temperature 185 °F, Time 24.0 hour	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0030 ohm-cm	0.0030 ohm-cm	
Shielding Effectiveness	100 dB	100 dB	

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