Evonik Corporation Rohacell® 200EC-4 Electrically Conductive Grade Polymethacrylimide (PMI) Foam

Category : Other Engineering Material , Composite Core Material , Polymer , Thermoset , Polymethacrylimide

Material Notes:

Description: ROHACELL® is produced by thermal expansion of a co-polymer sheet of methacrylic acid and methacrylonitrile. During the foaming process the copolymer sheet is converted to PMI - PolyMethacrylImide. Alcohol is used as a blowing agent, thus ROHACELL® contains no fluorinated carbon hydrates and is halogen free. It has a very homogeneous cell structure and isotropic properties.Specific Notes for this Material: ROHACELL® EC (= Electrically Conductive) is a closed-cell rigid foam plastic based on PMI (polymethacrylimide) which does not contain any CFCs. ROHACELL® EC is a specially developed material for applications were electro conductivity is desirable. Any commonly used manufacturing technique, such as autoclave, press molding and resin infusionb can be applied. Thermoformability is another advantage of ROHACELL® EC.Information provided by degussa.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Evonik-Corporation-Rohacell-200EC-4-Electrically-Conductive-Grade-Polymethacrylimide-PMI-Foam.php

Physical Properties	Metric	English	Comments
Density	0.2052 g/cc	0.007413 lb/in³	DIN 53420, ISO 845, ASTM D 1622

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	6.50 MPa	943 psi	DIN 53455, ISO 527-2, ASTM D 638
Modulus of Elasticity	0.350 GPa	50.8 ksi	ISO 527-2, ASTM D 638
Compressive Strength	8.30 MPa	1200 psi	DIN 53421, ISO 844, ASTM D 1621
Shear Strength	4.00 MPa	580 psi	DIN 53294, ASTM C 273

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	Heat Distortion Resistance; DIN 53424

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