

Evonik Corporation Rohacell® 110 Polymethacrylimide (PMI) Rigid Foam Sheet (discontinued **)

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

Material Notes:

ROHACELL 110 is a specialty grade which closes the gap between lower-density grades (31, 51, and 71) and the compacted, higher-density grades (P 170 and P 190). General ROHACELL Information: ROHACELL is a closed-cell rigid expanded plastic material for lightweight sandwich construction. It has excellent mechanical properties, high dimensional stability under heat, solvent resistance and, particularly at low temperature, a low thermal conductivity. The strength and moduli values are the highest for any foamed plastic in its density range. ROHACELL is manufactured by hot forming of methacrylic acid/methacrylonitrile copolymer sheets. During foaming this copolymer is converted to polymethacrylimide. Information supplied by Emkay Plastics, Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Rohacell-110-Polymethacrylimide-PMI-Rigid-Foam-Sheet-nspsdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.111 g/cc	0.00399 lb/in ³	ASTM D1622-63

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	3.43 MPa	498 psi	ASTM D638-68
Elongation at Break	4.5 %	4.5 %	ASTM D638-68
Modulus of Elasticity	0.157 GPa	22.7 ksi	ASTM D638-68
Flexural Yield Strength	4.41 MPa	640 psi	ASTM D790-66
Compressive Yield Strength	2.94 MPa	427 psi	ASTM D1621-64
Shear Modulus	0.0490 GPa	7.11 ksi	ASTM C273-61
Shear Strength	2.35 MPa	341 psi	ASTM C273-61

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °F	Dimensional stability per DIN 53424

Descriptive Properties	Value	Comments
Color	White	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China