

Microcell Composite Company CELLAMP® M5010 Thermoplastic Foam

Category : Polymer , Thermoplastic

Material Notes:

CELLAMP® FOAM can be mixed with high polymer materials to form traditional compound rubbers and plastics like EPDM, IIR, NBR, SBR, SILICONE, and EVA. Injection or hot-press PE compounds have high damping characteristics. It is comfortable to the touch and has contour form memory characteristics. Information provided by Microcell Composite Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Microcell-Composite-Company-CELLAMP-M5010-Thermoplastic-Foam.php

Physical Properties	Metric	English	Comments
Density	0.100 - 0.140 g/cc	0.00361 - 0.00506 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	15 - 19	15 - 19	ASTM D2240
Tensile Strength, Yield	0.392 MPa	56.9 psi	ASTM D412
Elongation at Yield	200 %	200 %	ASTM D412
Tear Strength	1.96 kN/m	11.2 pli	ASTM D624
Compression Set	90 % @Temperature 70.0 °C, Time 21600 sec	90 % @Temperature 158 °F, Time 6.00 hour	50%; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	5.0 % @Temperature 70.0 °C, Time 2400 sec	5.0 % @Temperature 158 °F, Time 0.667 hour	ASTM D1204

Descriptive Properties	Value	Comments
Resiliency (%)	25	ASTM D2632

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