

Sekisui PIOCELAN LP-40E Moldable Polymer Foam

Category : Polymer , Thermoplastic , Polyolefin , Polystyrene (PS) , Expanded Polystyrene (EPS)

Material Notes:

A hybrid moldable resin material PIOCLEAN, consisting of polystyrene and polyolefin, achieves performance exceeding that of the individual components by effectively combining materials with drastically different characteristics. Major use of Molded articles: General molding articles; Packing material for industrial parts; and Returnable containers for electronic parts. Information provided by Sekisui Plastic Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sekisui-PIOCELAN-LP-40E-Moldable-Polymer-Foam.php

Physical Properties	Metric	English	Comments
Bulk Density	0.0250 g/cc	0.000903 lb/in ³	After expansion; ASTM D3575

Mechanical Properties	Metric	English	Comments
Tensile Strength	0.4133 MPa	59.94 psi	ASTM D3575
Elongation at Break	8.8 %	8.8 %	ASTM D3575
Flexural Strength	0.2718 MPa	39.42 psi	ASTM D790
Flexural Modulus	0.012036 GPa	1.7457 ksi	ASTM D790
Compressive Strength	0.1851 MPa	26.84 psi	ASTM D3575
	@Strain 25.0 %	@Strain 25.0 %	
	0.2483 MPa	36.01 psi	
	@Strain 50.0 %	@Strain 50.0 %	ASTM D3575
	0.5041 MPa	73.12 psi	ASTM D3575
	@Strain 75.0 %	@Strain 75.0 %	
Compression Set	44 %	44 %	ASTM D3575

Descriptive Properties	Value	Comments
Color	White	
Range of center value of pre-expanded particles	0.14-0.2 in	

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