

Sekisui PIOCELAN SP-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 molded articles Information provided by Sekisui Plastic Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sekisui-PIOCELAN-SP-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	0.3023 MPa	43.84 psi	ASTM D3575
Elongation at Break	7.1 %	7.1 %	ASTM D3575
Flexural Strength	0.2279 MPa	33.05 psi	ASTM D790
Flexural Modulus	0.0086033 GPa	1.2478 ksi	ASTM D790
Compressive Strength	0.1456 MPa	21.12 psi	ASTM D3575
	@Strain 25.0 %	@Strain 25.0 %	
	0.2085 MPa	30.24 psi	
Compression Set	@Strain 50.0 %	@Strain 50.0 %	ASTM D3575
	0.4442 MPa	64.42 psi	
	@Strain 75.0 %	@Strain 75.0 %	
Compression Set	42.2 %	42.2 %	ASTM D3575

Descriptive Properties	Value	Comments
Color	White	
Range of center value of pre-expanded particles	0.13-0.16 in	

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