

Sekisui PIOCELAN SP-50D 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-50D-Moldable-Polymer-Foam.php

Physical Properties	Metric	English	Comments
Bulk Density	0.0200 g/cc	0.000723 lb/in ³	After expansion; ASTM D3575

Mechanical Properties	Metric	English	Comments
Tensile Strength	0.2784 MPa	40.38 psi	ASTM D3575
Elongation at Break	8.3 %	8.3 %	ASTM D3575
Flexural Strength	0.1695 MPa	24.58 psi	ASTM D790
Flexural Modulus	0.006827 GPa	0.9902 ksi	ASTM D790
Compressive Strength	0.1203 MPa	17.45 psi	ASTM D3575
	@Strain 25.0 %	@Strain 25.0 %	
	0.1809 MPa	26.24 psi	
	@Strain 50.0 %	@Strain 50.0 %	ASTM D3575
	0.3885 MPa	56.35 psi	ASTM D3575
	@Strain 75.0 %	@Strain 75.0 %	
Compression Set	41.5 %	41.5 %	ASTM D3575

Descriptive Properties	Value	Comments
Color	White	
Range of center value of pre-expanded particles	0.17-0.24 in	

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