

Rogers Corporation R/bak® SF Supported Firm Cushion Mounting Material

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced

Material Notes:

R/bak® materials are high-density, open cell, polyurethane foams used to build thickness on the cylinder, provide cushioning and absorb vibration in the Flexographic printing process. The use of R/bak cushioning materials results in uniform quality printing over long run conditions. R/bak materials are available in a variety of length and thickness configurations. R/bak SF and R/bak SS materials have an integrated polyester support layer to ensure dimensional stability and serve as a mounting base. Information provided by Rogers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Rogers-Corporation-Rbak-SF-Supported-Firm-Cushion-Mounting-Material.php

Physical Properties	Metric	English	Comments
Density	0.320 g/cc	0.0116 lb/in ³	ASTM D3574-95 Test A
Water Absorption	2.0 %	2.0 %	AMS 3568
	5.0 %	5.0 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	16	16	ASTM D2240
Hardness, Shore O	24	24	ASTM D2240
Tensile Strength	>= 0.827 MPa	>= 120 psi	ASTM D3573 Test E
Elongation at Break	>= 100 %	>= 100 %	ASTM D3573 Test E
Compressive Yield Strength	0.124 MPa @Strain 25.0 %	18.0 psi @Strain 25.0 %	
Tear Strength	>= 1.80 kN/m	>= 10.3 pli	ASTM D624, Die C
Compression Set	<= 1.3 % @Temperature 23.0 °C	<= 1.3 % @Temperature 73.4 °F	ASTM D1667
	<= 3.3 % @Temperature 70.0 °C	<= 3.3 % @Temperature 158 °F	ASTM D3574

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