

Everchem SF 050

(Open Cell 0.5 pcf Spa Foam)

Product Description:

Everchem SF 050 is a two component polyurethane system designed for Spa Foam Insulation applications. The system is formulated to provide low viscosity for ease of mix, good adhesion and uniform cell structure for R value.

Typical Chemical Attributes (@75°F):

	<u>Isocyanate</u>	<u>Resin</u>
Appearance (liquid)	dark brown	light straw
Viscosity (cps)	150 - 250	400 - 600
Specific Gravity	1.23	1.08
A/B ratio (by volume)	100	100

Typical Machine Reactivity (@ 125°F):

Cream Time (sec)	4 ± 2
Tack Free Time (sec)	20 ± 2
Rise Time (sec)	16 ± 2
Density (Free Rise)	0.48-0.55 pcf

Typical Physical Properties:

Core Density	0.50-0.52 pcf
R value (aged)	3.5-3.7
Flame Spread Index	< 25
Smoke Developed Index	< 500
Dimensional Stability (-20°F)	< 5
Dimensional Stability (158°F)	< 5
Dimensional Stability (158°F,100% R.H.)	< 5
Resistance to Mold and Mildew	Excellent

*These are typical values obtained from laboratory experiments and are provided as general information only.

Processing Recommendations:

Everchem SF 050 is designed for use with high pressure foam dispensing machines capable of maintaining the designed processing parameters:

Mix Pressure	1000 - 1200 psi static
Line Temperature	120° - 130°F (A/B/Hose)

Optimal settings will vary with dispensing unit configuration and ambient conditions. Density will vary with component temperature.

Storage & Shelf Life:

The components have an optimal shelf life of 6 months when stored in unopened containers at temperature between 50° and 80°F. Excessively high temperatures may reduce optimal shelf life. Store the isocyanate and the resin components in a conditioned area, away from exposure to direct sun light and precipitation. Keep material containers tightly closed. Material in opened containers should be kept under a blanket of dry air or nitrogen. Store the material at 70° - 80°F for 48 hours prior to use.

Safety and Handling Information:

It is critical to read and become familiar with the Safety Data Sheets prior to working with Everchem liquid components. When handling these materials and during application, always use appropriate personal protective equipment. Avoid prolonged breathing of vapors; avoid contact with skin, eyes and mucous membranes. In case of chemical contact with eyes, flush with water for at least 15 minutes and get medical attention. For more information, consult the material Safety Data Sheets

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is only applicable to the product with regard to appropriate safe handling, use, processing, storage, transportation, disposal and release. It does not represent any warranty or quality specification. It is the responsibility of user to make tests to determine the suitability of the product for your particular purpose prior to use, because many factors may affect processing or application/use. We shall not be held liable for any damage from handling or from contact with the above product.

END OF DATA SHEET

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