



International Polyurethane Systems Inc.

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Material Data Sheet Rigid Foam RF2005/1

Product Description:

A water-blown, rigid foam system based on aromatic MDI. This system is formulated for high rigidity to use in applications requiring foams with high load bearing properties. This system exhibits good flow for numerous parts including backup on molds, etc. As with any product, use of this system must be tested in advance by the user to determine suitability.

Chemical Properties:

Properties	Unit	Test Method	Typical Values		
			Polyol	Isocyanate	Mixture
Appearance			milk-white	dark brown	brown
Density	g/cm ³	ASTM-D 1475	1.03	1.24	1.10
Viscosity @ 22°C (Brooksfield DV-2+ @ 20RPM Spindle 3)	cP	ASTM-D 4878	1200	28	500
Flash Point	°C		>200	>200	>200
Mixing Ratio @ 22°C	by weight		100	100	
Mixing Ratio @ 22°C	by volume		100	95	
Cream Time @ 22°C	s				50
Rise Time @ 22°C	s				240
Molded Density	lb/ft ³	ASTM-D 3574			9.8 - 10.4

Application:

Mix part B well before starting. Product designed for use with two component plural equipment.

Storage:

The materials must be protected against humidity and stored at 20 - 25 °C (75 - 77 °F) for optimum shelf life of 6 months.

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