

# B-1022

GENYK B-1022 is a two-component, closed-cell rigid polyurethane injection foam system specially formulated to produce insulated panels, garage door panels, residential doors and flotation device. It is formulated with hydrofluoro-olefin (HFO) and designed for processing through low- or high-pressure component dispensing machine as well as pour in place.

Genyk B-1022 meets requirements of “Code of U.S. Federal Regulation-Navigation Waters” standard 183.114.

TYPICAL PHYSICAL PROPERTIES			
PHYSICAL PROPERTIES	ASTM Method	Value	
Density (in place) *	D1622	2.5 lb/pi <sup>3</sup>	40 kg/m <sup>3</sup>
Compressive Strength	D1621	31 psi	213.6 kPa
Initial Thermal Resistance	C518	6.1 R/in	1.07 RSI
Water absorption	D2842 (Procedure A)	1.15%	
Open Cell Content	D6226 (Procedure 2)	2.28%	
Dimensional Stability	D2126 (7days, -25°C, ambient R.H.)	+0.50%	
	D2126 (7days, +80°C, ambient R.H.)	+2.46%	

Genyk recommends a core in-place density not less than 2.5 lb/ft<sup>3</sup>. This will optimize the physical properties.

VARIATION OF GROSS BUOYANCY - CFR 33 183.114		
Test	Requirement of 33CFR 183.114	Result
30-day gasoline vapor test	-5 % maximum	+0.10% - Compliant
30-day gasoline test	-5 % maximum	-0.09% - Compliant
30-day oil test	-5 % maximum	-0.83% - Compliant
30-day bilge cleaner test	-5 % maximum	-0.57% - Compliant

VARIATION OF BUOYANCY PER UNIT OF VOLUME - CFR 33 183.114		
Test	Requirement of 33CFR 183.114	Result
30-day gasoline vapor test	-5 % maximum	+0.13% - Compliant
30-day gasoline test	-5 % maximum	+0.42% - Compliant
30-day oil test	-5 % maximum	-0.83% - Compliant
30-day bilge cleaner test	-5 % maximum	-0.57% - Compliant



REACTIVITY PROFILE	
<b>Cream Time (seconds)</b>	25 - 30
<b>Gel Time (seconds)</b>	155 - 180
<b>Tack Free Time (seconds)</b>	250 - 290
<b>Free Rise Density (lb/ft<sup>3</sup>)</b>	2.00 - 2.20

Laboratory results based on hand-mixing at 20°C. Properties shown below are to be used as a guide only and not intended for specification properties.

COMPONENT PROPERTIES		
PROPERTIES	ISOCYANATE A-2732	RESIN B-1022
<b>Appearance</b>	Brown Liquid	Amber liquid
<b>Viscosity at 25°C</b>	150 - 250 cps	400 - 700 cps
<b>Specific Gravity at 25°C</b>	1.24	1.08 - 1.14
<b>Mixing Ratio (volume)</b>	100	100



Genyk uses the highest-grade raw materials and state-of-the-art manufacturing facilities. The result is a durable and superior product.



Before handling these chemicals, please consult the Safety Data Sheet for the two components, that are available from Genyk.

PACKAGING AND STORAGE				
Additional information	ISOCYANATE A-2732		RESIN B-1022	
<b>Packaging</b>	Drum: 227kg / Tote: 1,250kg		Drum: 225kg / Totes: 1,125kg	
<b>Storage temperature</b>	59°F - 95°F	15°C - 35°C	59°F - 77°F	15°C - 25°C
<b>Shelf Life</b>	12 months		6 months	
<b>General information:</b> All materials should be stored in their original containers and away from heat and moisture, especially after the seals have been broken and the containers have been opened. Storage below 59°F (15°C) may result in compound stratification of the B and/or crystalline formation in the A component and will increase the viscosity of the components making them difficult to pump. Temperatures above the maximum storage temperatures may decrease the shelf life. Extensive venting of the B component may result in loss of blowing agent, higher-density foam and reduced yield. Both components are adversely affected by water and humidity.				

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