

TECHNICAL DATA SHEET

DESCRIPTION

GENYK B-1022/A-2732 is a two component rigid polyurethane foam system specially formulated to comply with zero ozone depletion regulations. This system is used for the production of floatation equipment, structural and insulated panels, garage door panels, residential doors, insulated containers and for the filling of big cavities. It is designed for processing through low or high pressure component dispensing machine.

GENYK B-1022 / A-2732 meets the requirements of the US Coast Guard Specification "Code of US Regulation" Navigation and Navigable Waters Article # 183-114.

REACTIVITY PROFILE

Cream Time	Gel Time	Rise Time
25-30 seconds	155-175 seconds	250-290 seconds

COMPONENT PRODUCT SPECIFICATIONS

PROPERTY	POLYMERIC ISOCYANATE A-2732	B-1022 RESIN
Appearance	Brown liquid	Amber liquid
Viscosity at 25°C	150-250 cps	200-400 cps
Specific gravity	1.22 – 1.25	1.15 – 1.20
Shelf life	12 months	6 months

TYPICAL PHYSICAL PROPERTIES

PHYSICAL PROPERTY	ASTM METHOD	VALUE
Density (in place)*	D1622	2.5 lb/ft ³
Compressive Strength	D1621	31.8 psi
Dimensional Stability	D2126 (7 days, -25°C, ambient RH) D2126 (7days, +80°C, ambient RH)	0.33 % 2.65 %
Thermal Resistance (60 day ageing)	ASTM C-518	1.14 K*m ² /W (R=6.5/in) (K=0.153) (λ=0.0238 W/mK)

* Genyk recommends a core in-place density not less than 2.5 lb/ft³. This will optimize the physical properties.



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PACKAGING

Genyk A-2732 is supplied in 227 kg drums and 1,250 kg totes. Genyk B-1022 is supplied in 225 kg drums and 1,125kg totes.

STORAGE CONDITIONS AND HANDLING

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. Shelf life is 6 months for the resin and 12 months for the isocyanate when stored indoors at a temperature between 60°F (15°C) and 77°F (25°C) for the resin and 60°F (15°C) and 100°F (38°C) for the isocyanate. Storage below 60°F (15°C) may result in compound stratification of the B and/or crystalline formation in the A component. Temperatures above the maximum storage temperatures may decrease the shelf life. Containers should be opened carefully to allow any pressure build-up to be vented safely. Extensive venting of the B component may result in loss of blowing agent, higher-density foam and reduced yield. Temperatures below 60°F (15°C) will increase the viscosity of the components making them difficult to pump. Both components are adversely affected by water and humidity.

HEALTH AND PERSONAL PROTECTION

Before handling these chemicals, please consult the Material Safety Data Sheets for the two components. Material Safety Data sheets on product components are available from Genyk Inc.