

YUREA

Polyurethane Foam



YUREA Polyurethane Foam is a blended polyol rigid spray polyurethane system including HCFC 141b as blowing agent. This system is formulated to be used in the application for general spray application. The product contains flame retardant with B2 standard.

CHEMICAL CONDITION	YUREA Polyurethane Foam (Polyol)
	Appearance : Light Yellowish to Reddish Liquid Specific Gravity @ (25°C) : 1.06 – 1.12 Viscosity @ (25°C) : 160 – 200 mPas
	YUREA Polyurethane Foam (Isocyanate)
	Appearance : Dark Brown Liquid Specific Gravity @ (25°C) : 1.22 – 1.26 Viscosity @ (25°C) : 150 – 250 mPas

PRODUCT REACTIVITY DATA	Material Temperature (°C) : 24 – 30
	Mixing Ratio (Polyol : Iso) : 100 : 100
	Cream Time (sec) : 1 - 3
	Gel Time (sec) : 3 - 5
	Core Density FRD (kg/m3) : 28 - 34

TYPICAL PHYSICAL PROPERTIES

Description	Test Standard	Unit	Value
Density (OMD)	ASTM D1622	Kg/m3	40
Compressive Strength	ASTM D1621	KPa	205
Dimensional Stability 48 hours exposure @-20°C @100°C	ASTM D2126	% Change	0.3 0.3
Thermal Conductivity	ASTM C518	W/mK	0.02
Flammability	DIN 4102	-	B2

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STORAGE RECOMMENDATION

YUREA Polyurethane Foam is sensitive to humidity and may absorb water. Containers should be kept tightly closed and protected from contamination with moisture and foreign materials, which can adversely affect processing.

The shelf life for YUREA Polyurethane Foam is 6 months for (Polyol) from date of manufacture and should store indoors at temperatures of 20-30°C. The Polyol blend should mix well before use. As for the Isocyanate it has a shelf life of 12 months from the date of manufacture. These materials should be stored indoors at temperatures between 20°C - 30°C.

STORAGE RECOMMENDATION

When cleaning spills of either the Polyol or Isocyanate, wear goggles, impervious gloves, coveralls and boots, and a NIOSH/MSHA approved positive pressure supplied air respirator. For Isocyanate side spill, add an equal amount of neutralizing solution (90-95% water, 5-10% ammonia). For Polyol and Isocyanate side spill, add dry adsorbent, then shovel or sweep up and place in appropriate sized clean metal container and seal.

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