

ELASTO SPRAY
ISOFOAM® S-1368-025

POLYURETHANE SPRAY FOAM SYSTEM

Description

ISOFOAM® S-1368D-025 polyurethane chemical foam systems are two-component systems designed for spray applications to produce a rigid polyurethane foam. This product can be used at service temperatures up to 300°F. (149°C).

ISOFOAM® S-1368A is a polymeric isocyanate containing reactive isocyanate groups.

ISOFOAM® S-1368B-025R is a combination of polyols, catalytic agents, and HCFC 141b.

Typical Handling Characteristics

	A/B
Viscosity, cps @ 20°C	300/620
Specific Gravity @ 20°C	1.23/1.19
Mixing Ratio by Volume	100/100
Spray Reactivity,	
Tack Free, Secs.	3

For best applications ISOFOAM® S-1368B-025R should be sprayed on substrate temperatures above 120°F (43°C).

Typical Physical Properties

Density, Core, lbs/cu. ft	2.6	41.6 k2/M ³	ASTM D-1622
Compressive Strength, psi @ % Yield			ASTM D-1621
Parallel	35 @	4241 kPa	
Perpendicular	16 @	7110 kPa	
Compressive Modulus, psi			ASTM D-1621
Parallel	1365	9410 kPa	
Perpendicular	375	2585 kPa	
Closed Cell, %	>90		ASTM D-2856
Thermal Conductivity, BTU/hr ft ² °F/in			ASTM C-158
K-Factor @ 77°F, aged			
28 Days	0.15	1.17 M ² C/W	
Humid Aging, % Volume Change, 158°F (70°C), 100% R.H.			ASTM D-2126
1 Day		+7	
7 Days		+10	
14 Days		+12	
28 Days		+16	
Cold Aging, % Volume Change, -20°F (-29°C)			ASTM D-2126
1 Day		<-1	
7 Days		-1	
Heat Aging, % Volume Change, 200°F (93°C)			ASTM D-2126
1 Day		+1	
7 Days		+3	
14 Days		+4	
28 Days		+5	

The foam's properties were determined on samples sprayed through a Gusmer H2000 unit at 1000 psig with a preheater temperature of 120°F (49°C), and a hose temperature of 120°F (49°C). The system was sprayed at 70-75°F ambient and substrate temperature in a 2" inch thick passes using a GX7 gun.