



**ZIFOAMPOR® P ZF226R RESIN/ZIFOAMPOR® P ZF46U ISOCYANATE
RIGID URETHANE FOAM SYSTEM**

ZIFOAMPOR® P ZF226R Resin/ZIFOAMPOR® ZF46U Isocyanate is a two-component polymeric MDI based system utilizing water and HFC245fa as blowing agents. This system is designed for insulation of discontinuous metal-faced sandwich panels.

Appearance	Amber liquid
Odor	Slight Amine
Density, @73°F	10.6 lbs./gal.
Specific Gravity, @73°F	1.26
Resin Viscosity, @73°F	500 cps
Flash Point, ASTM 3278-89	>93°F

Appearance	Dark brown liquid
Odor	Slight aromatic
Density, @77°F	10.2 lbs./gal.
Viscosity, @77°F	700 cps
Flash Point	>400°F
Vapor Pressure, at 20°C	0.00016 mm Hg

Mix Ratio, Parts by weight 100 Resin/ 100 Isocyanate

Component Temps, Resin/Isocyanate	68°F / 80°F
Component Pressures, Resin/Isocyanate	2000psi/2000psi
Cream Time	6 seconds
Gel Time	71 seconds
Tack Free Time	90 seconds
Core Density of Bag Shot	1.50 pcf

PCS Corporation
16 Technology Dr
Irvine, California 92618
(714) 273-1380

Revision Date: 1/03/2006



Technical Product Data

Urethane Specialties

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TYPICAL PHYSICAL PROPERTIES

Molded Panel, pcf	2.25
Core Density, pcf	2.00
Skin Temperature, (F)	105-115
Perpendicular Compressive Strength @10% deflection, psi	16
Perpendicular Compressive Modulus, psi	433
Parallel Compressive Strength @10% deflection, psi	31
Parallel Compressive Modulus, psi	721
Substrate Adhesion, psi	18
k factor, BTU-IN/HR-FT ² -°F Initial	0.150
Porosity (%Closed Cells)	92
Friability (% Weight Loss)	1.8
Water Absorption (%)	1.6
Butler Chimney (% Weight Retained)	92
NBS Smoke Density	220
U.L. Subject 723 (File #R5692 - 6" Core Panels)/ASTM E-84	
Flame Spread*	20
E-84 Smoke	450
Minimum Self-Ignition Temperature	430°C (806°F)
Minimum Flash-Ignition Temperature	445°C (833°F)
Dimensional Stability, % Volume Change at 28 days	
100°F/100% RH	0.1
158°F/100% RH	0.4
158°F	0.0
200°F	0.1
-20°F @ 7 Days	0.3

*This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

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"Warning" These products can be used to prepare a variety of polyurethane products. Polyurethanes are organic materials and must be considered combustible.

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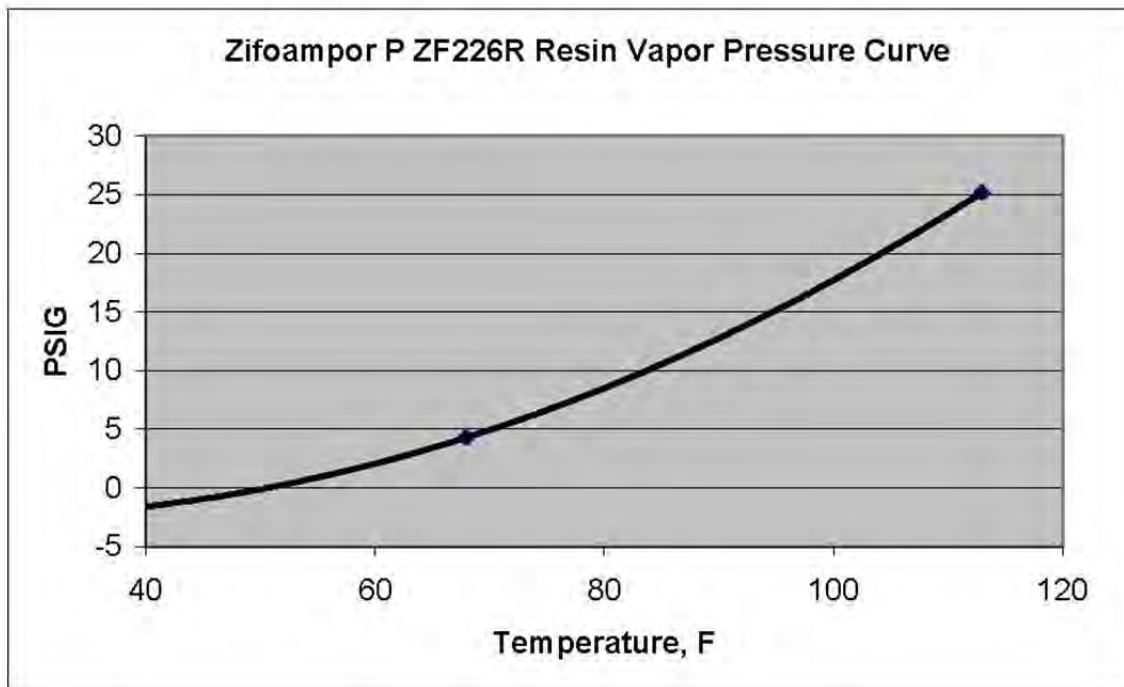
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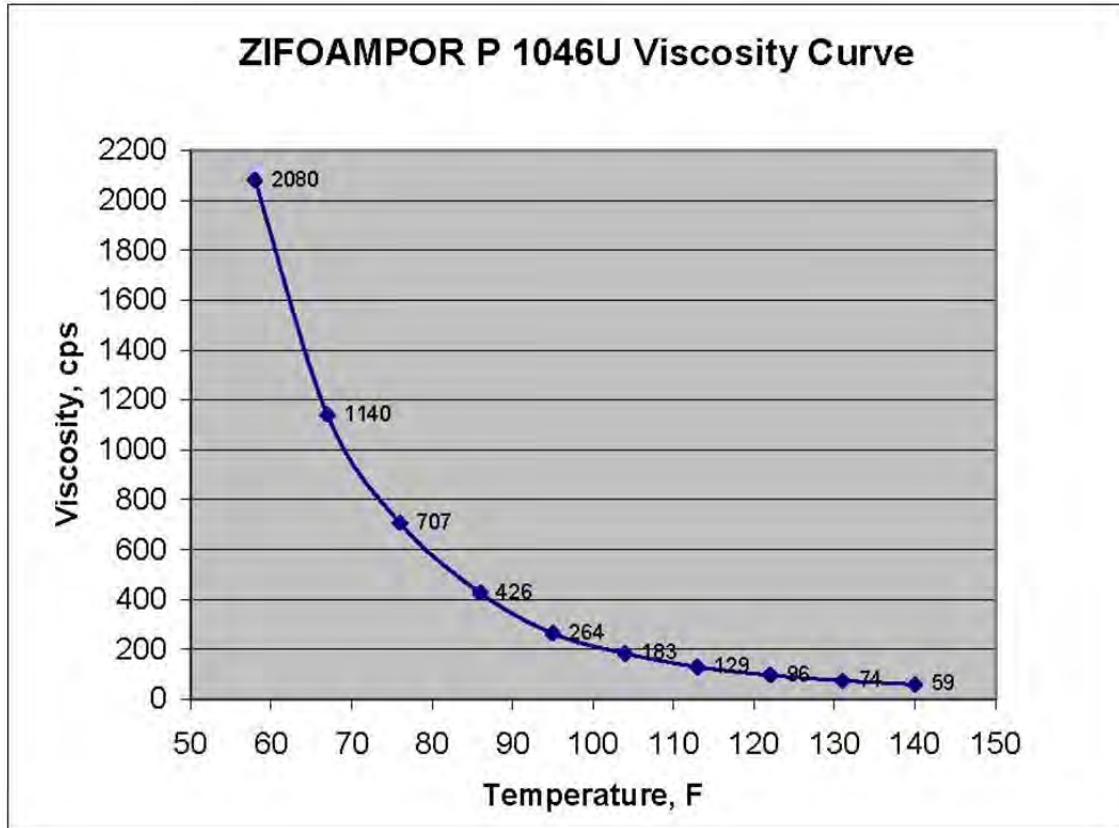
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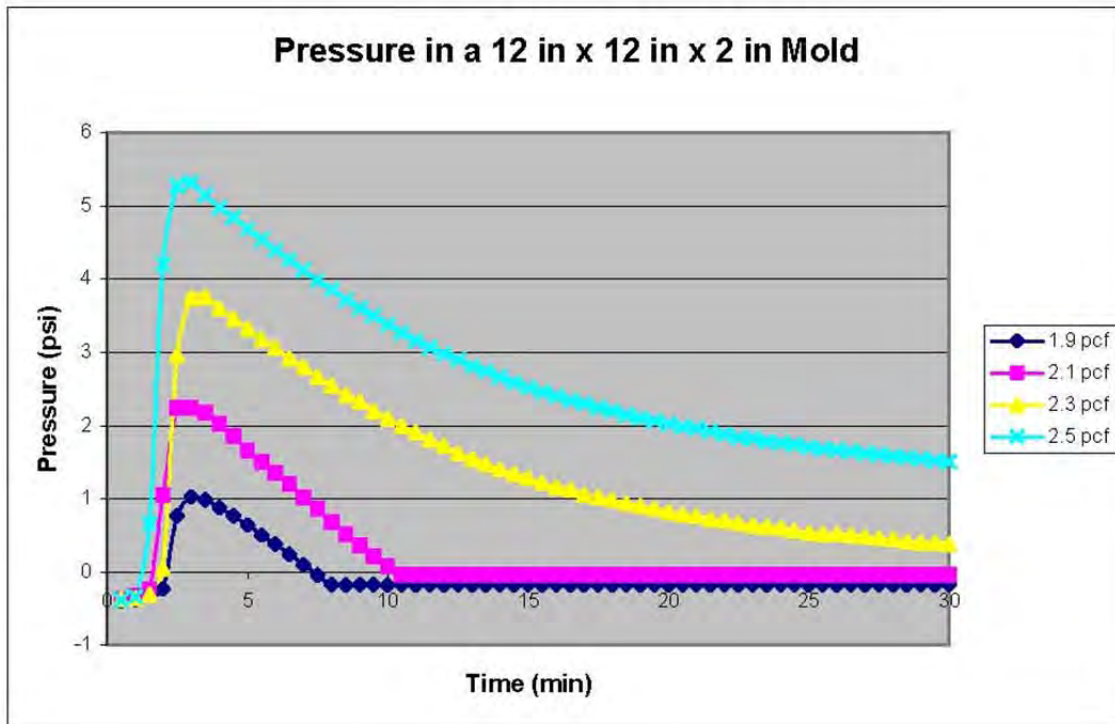
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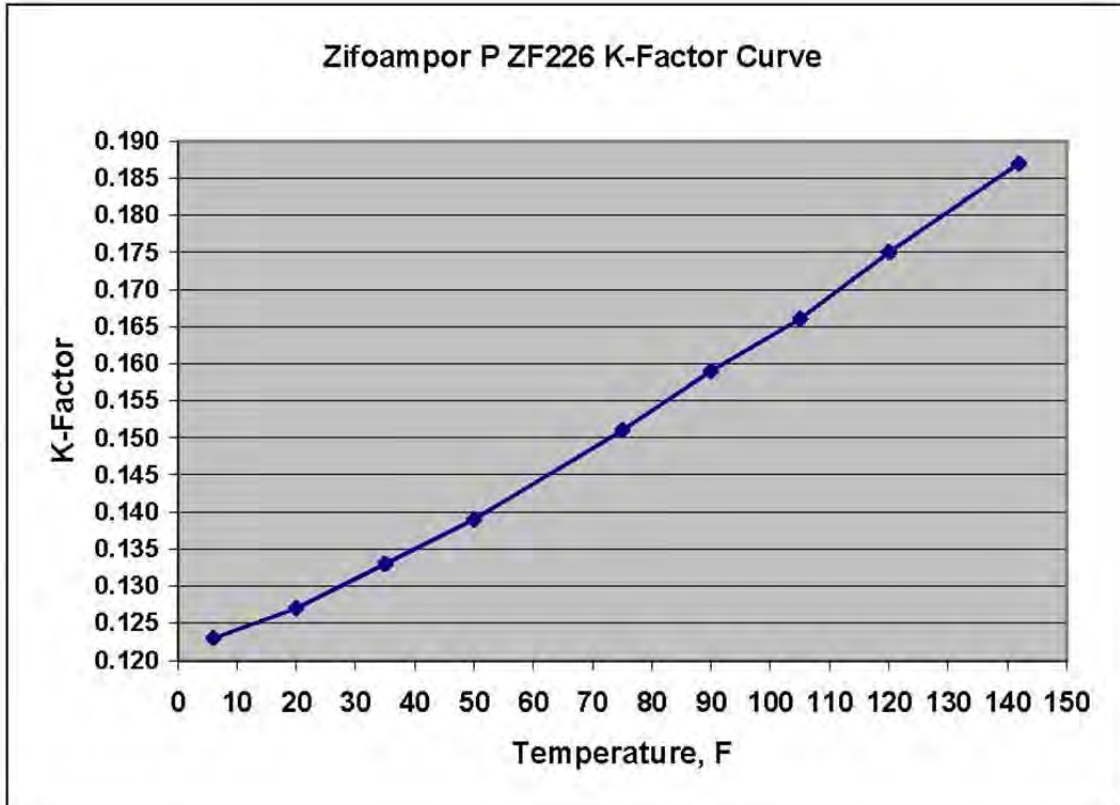
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