



Technical Product Data

Urethane Specialties

ZIFOAMPOR® P ZF620R RESIN/ZIFOAMPOR® P ZF01U ISOCYANATE RIGID URETHANE FOAM SYSTEM

DESCRIPTION

ZIFOAMPOR® P ZF620R Resin/ZIFOAMPOR® P ZF01U Isocyanate is a two-component polymeric MDI based system utilizing water as the blowing agent. System is designed for Marine Flotation Applications using high pressure impingement mixing equipment.

ZIFOAMPOR® P ZF620R RESIN COMPONENT

Appearance	Amber liquid
Odor	Slight Amine
Density, @ 73°F	9.06 lbs./gal.
Viscosity, @ 73°F	1,000 cps
Flash Point, ASTM 3278-89	>200°F

ZIFOAMPOR® P ZF01U ISOCYANATE COMPONENT

Appearance	Dark brown liquid
Odor	Slight Amine
Density, @73°F	10.2 lbs./gal.
Viscosity, @73°F	200 cps
Flash Point	>400°F
Vapor Pressure, at 20°C	0.00016 mm Hg

Typical Reactivity Parameters

Ratio By weight	60 resin / 100 Iso.
Component Temperature (F)	70

Hand Mix Reactivity (both components at 70 F)

Cream Time (sec)	45
String Gel Time (sec)	200
End of Rise Time (sec)	324
Tack Free Time (sec)	406
Free Rise Density (PCF) 4" core	1.85

Important! The information, data and products presented herein are based upon information reasonably available to PCS Corporation at the time of publication, and are presented in good faith, but are not to be construed as guarantees or warranties, express or implied, regarding performance, results to be obtained from use comprehensiveness merchantability, or that said information, data or products can be used without infringing patents of third parties. You should thoroughly test any application, and independently determine satisfactory performance before commercialization.

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

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

Revision Date: 11/04/2004



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TYPICAL FOAM PROPERTIES

FT # 62023

Test Panel Overall Density (pcf), 2'x4'x2" Mold	3.4
Test Panel Core Density (pcf), 2'x4'x2" Mold	3.1
Compressive Strength (psi at yield)	
Parallel	68
Perpendicular	54
Compressive Modulus (psi)	
Parallel	1419
Perpendicular	1057
K-Factor, Initial (BTU/in./hr./sq.ft./F)	0.15
% Closed Cells, Uncorrected	84
Water Absorption (lbs./sq.ft.)	0.02
% Volume Change	
7 Days @ -20°F	-1
28 Days @ 158°F	-1
28 Days @ 200 °F	-1
28 Days @ 100°F + 100 % R.H.	0
28 Days @ 158 °F + 100 % R.H.	-1

CERTIFICATION

Rigid polyurethane samples prepared from Autofroth ZIFOAMPOR® P-15620 chemicals have been tested at an independent laboratory. Molded samples have passed the U.S. Coast Guard immersion tests (CGD 75-168), and meet or exceed Performance criteria set out in D.O.T. – Coast Guard – Flotation Materials, Par. 183. 114, Fed. Reg. Vol 43, No. 233, 02/18/2004

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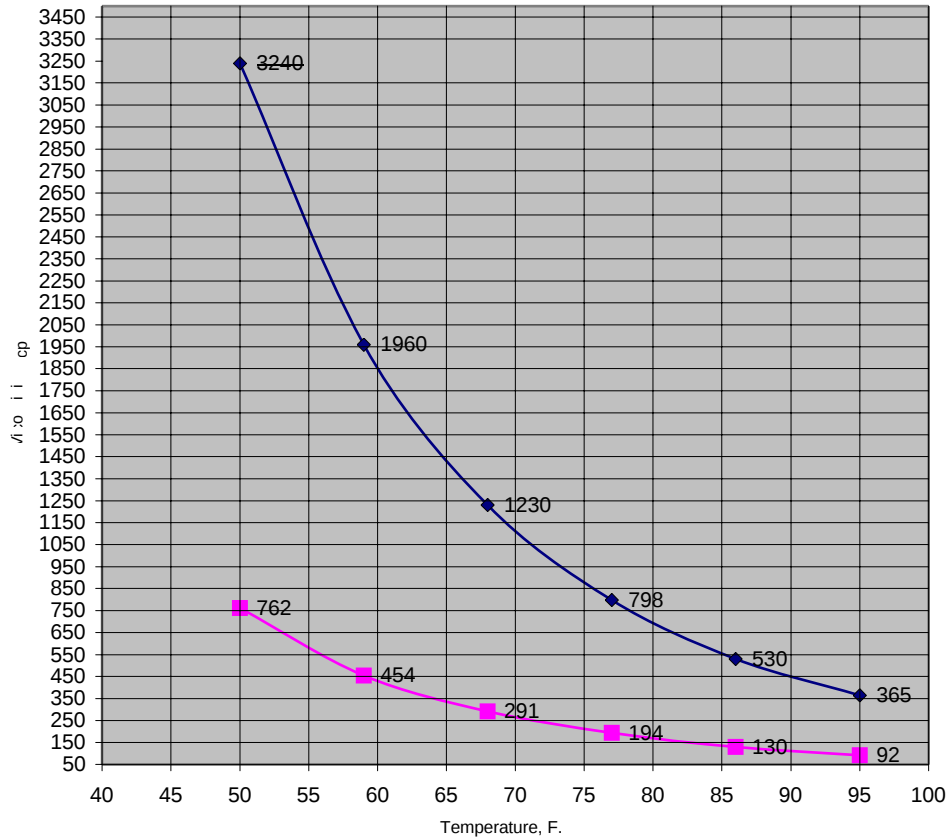


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Viscosity vs. Temperature
ZIFOAMPOR Resin & Isocyanate



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