POLYCOAT PRODUCTS
A Division of American Polymers Corp.

GREATER LOS ANGELES–14722 Spring Avenue - Santa Fe Springs, CA 90670
DALLAS / FT.WORTH METROPLEX–2100 Reliance Parkway - Bedford, TX 76021

Tel: (562) 802-8834 **www.Polycoat.com**
Fax: (562) 921-7363

TECHNICAL DATA SHEET

PCF 2131-FR-5-55S-NAT

Rigid Polyurethane Foam System

Typical Properties PCF 2131-FR A-Comp (ISO)

Viscosity, mPa·s @ 25°C:	200-250
Lbs/gal	10.33
Specific Gravity @ 25°C :	1.24
Appearance @ 25°C:	liquid

Typical Properties PCF 2131-FR- B-Comp (polyol blend)

Viscosity, mPa·s @ 25°C:	1500-2500
Lbs/gal	8.69
Specific Gravity @ 25°C :	1.04
Appearance @ 25°C:	viscous liquid

Typical Physical Properties		
Density, pcf	ASTM D-1638	5
Compressive Strength, psi	ASTM D-1621	100
Tensile strength, psi	ASTM D-1623	120
Shear Strength, psi	ASTM C-273	55

Processing Characteristics @ 74 ° F		
Ratio, By volume A/B		50/50
Cream Time	Sec	55-63
Rise Time	Sec.	200-230
Demold Time	Min.	5-20

Product Description:

PCF 2131-FR polyurethane foam systems are designed for molding and void filling applications. PCF 2131-FR-5 can be designed to meet a variety of reactivity requirements without sacrificing product quality and can be formulated to a wide range of densities from 3 to 30 pounds per cubic foot. The unique handling characteristics of the PCF 2131 series systems provide ease of mixing by hand or machine to produce a uniform product with excellent cell structure. This product does not contain any CFC blowing agent or other Ozone Depleting chemical.
The PCF 2131-FR series systems have been formulated for use as a high compressive strength rigid foam for the manufacturing of molded picture frames, furniture parts, structural floats and other design applications. **This product contains flame retardant for the purpose of self-extinguish.**

Storage and Handling:

Containers for both A and B components should be kept tightly closed to prevent moisture contamination. Do not reseal if contamination is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Component B may be stored at ambient temperatures. Storage for Component A should be maintain between 77°F (25°C) and 95°F (35°C). An additional note of caution is that exposure to temperatures over 400°F (204°C) can create excessive pressure potentially causing containers to rupture. Do not breathe aerosol or vapors and avoid contact with skin and eyes. Exposure to vapors of heated MDI can be dangerous. To heat product properly, use well ventilated convection ovens or other methods that distribute heat evenly. Avoid using drum heaters or other heat sources that may cause excessive local heating.

Health and Safety Information:

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on its hazards, proper use and handling. This is extremely important and cannot be overemphasized. Information is available in several forms, e.g. material safety data sheets and product labels. To obtain this information, contact yours Polycoat Product representative.

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