



**POLYCOAT
PRODUCTS**
A Division of American Polymers Corp.

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www.Polycoat.com

TECHNICAL DATA SHEET

PCF 3000-0.5-NATURAL

Typical Properties PCF 3000 A-COMP (ISO)

Viscosity, mPa-s @ 25°C: 150-200
Specific Gravity @ 25°C : 1.24
Appearance @ 25°C: liquid

Typical Properties PCF 3000 B-COMP(polyol blend)

Viscosity, mPa-s @ 25°C: 800-1200
Specific Gravity @ 25°C : 1.18
Appearance @ 25°C: viscous liquid

Typical Physical Properties @ 74 ° f

Cream Time	Seconds	10-15
Rise Time	Seconds	30-40
Demold Time	minutes	1
Density	Lb/cubic foot	0.45-0.55

Product Description:

The PCF 3000 Series polyurethane packaging foam systems are designed for shock absorbing applications. The 3000 series systems can be formulated in a range of densities from 0.4 to 1.0 pounds per cubic foot. The system can also be formulated with fire retardants upon request to meet customer requirements. These systems are noted with the letters FR following the product code. The unique handling characteristics of the PCF 3000 series systems provide ease of mixing through a variety of low pressure dispensing machines and will produce a uniform product with excellent cell structure. This product does not contain any CFC or HCFC blowing agents.

Processing Characteristics

Mix ratio by weight A/B		50/50

Applications:

The PCF 3000 series systems have been formulated for use in packaging of electronic equipment, medical instruments, ceramics and other applications requiring shock absorption and vibration dampening. The PCF 3000 series systems can also be used for void filling or making pre-molded inserts of various shapes and sizes.

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 maintained between 77°F (25°C) and 95°F (35°C). For best results, this product should not be allowed to freeze, although it may be re-heated in a well ventilated oven for a period of time to re-liquefy solid particles. To avoid product degradation, product temperature during re-heating should not exceed 140°F (60°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 your Polycoat Products representative.



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