

PRODUCT DESCRIPTION

PCF 412- is a soft high-resilient flexible foam suitable for all types of molding including furniture seat cushions, automotive and motorcycle seats or other similar applications. PCF 412 is very versatile, available in densities from 4.0 through 20 pounds per cubic foot.

APPLICATIONS

Concrete filling, sporting goods, tooling, or applications where superior tensile strength, elongation, and high resilience are required with a Shore A hardness of 83-87.

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 temperature. 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

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.

TYPICAL PROPERTIES SIDE-A (ISO)

Viscosity @ (25°C)	400-500 cps
Specific Gravity @ (25°C)	1.24
Appearance @ (25°C)	liquid

TYPICAL PROPERTIES SIDE-B (POLYOL BLEND)

Viscosity @ (25°C)	1200-1400 cps
Specific Gravity @ (25°C)	1.03
Appearance @ (25°C)	viscous liquid

TYPICAL PHYSICAL PROPERTIES @ 74°F

Cream Time	25-30 seconds
Rise Time	120-160 seconds
Demold Time	5-10 minutes
Density	4-4.5 lbs/ft ³

PROCESSING CHARACTERISTICS

Mix ratio A:B by weight*	32:68
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*mix ratio varies with desired density



Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data, instructions, and project specific recommendations.

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