

Product Description

PCNO 65D 185S White is a 100 % solids, no odor solid cast two-component urethane system. It is easy to process, has low exotherm and demolds in 5-8 minutes.

Recommended Uses

Furniture parts, sporting goods, decorative components, ornamental moldings, mirror and picture frames, and other similar items not requiring high temperature resistance.

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

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 Prepolymer PCNO 65D- A-COMP (ISO)

Viscosity @ 77°F (25°C)	150-250
Specific Gravity @ 77°F (25°C)	1.15
Appearance @ 77°F (25°C)	liquid

Typical Properties Prepolymer PCNO 65D-Side-B (Polyol Blend)

Viscosity @ 77°F (25°C)	150-250
Specific Gravity @ 77°F (25°C)	0.994
Appearance @ 77°F (25°C)	liquid

Typical Physical Properties

Hardness, Shore D	65D
Elongation @ 77°F (25°C)	11%
Density, ASTM D-1622	64 psi (.441 MPa)
Compression Strength	5000 psi minimum (34.5 MPa kN/m)
Heat Sag, ASTM D-3769@160°F (71°C)	0.0 inches
Heat Sag, ASTM D-3769@200°F (93.3°C)	0.45 inches
Tensile Strength, ASTM D-2370	4700 psi (32.4 MPa)

All samples were conditioned 7 days at 24°C (75°F) and 50% RH before testing. Property values are for the specific compositions shown. Additives of any kind may alter some or all the properties. These data should not be used alone as a basis of design or specification.

PROCESSING CHARACTERISTICS

Shrinkage (linear) unfilled	0.01 inches
Shrinkage (linear) Filled	0.005 inches
Gel Time*	160-180 seconds
Demold Time	5-8 minutes

*Variety of gel times available



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