



**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
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www.Polycoat.com

TECHNICAL PRODUCT DATA

PCCNO 70D-6M-NATURAL

Typical Properties PCCNO 70D A-COMP (ISO)

Viscosity, mPa·s @ 25°C: 50-100
Specific Gravity @ 25°C : 1.044
Appearance @ 25°C: liquid

Typical Properties PCCNO 70D B-COMP (polyol blend)

Viscosity, mPa·s @ 25°C: 50-100
Specific Gravity @ 25°C : 0.996
Appearance @ 25°C: liquid

Typical Physical Properties

	Shore	
Hardness, ASTM D-2240	D	66-72
Density, ASTM D-1622	Lbs/ft ³	67
Elongation, ASTM D-2370	%	15-25
Tensile Strength, ASTM D-2370	PSI	5000-6000

Product Description:

PCCNO 70D is a solid cast two-component urethane system that is easy to process, is low exotherm and de-molds in 10-15 minutes making rapid production rates possible. It is available in Shore D from 60-80 and both tan and white colors. It can also be pigmented for specific colors.

Uses:

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

Processing Characteristics

Mix ratio by Volume A/B		50/50
Shrinkage (linear) unfilled	In.	0.03
Shrinkage (linear) Filled	In.	0.008
Gel Time*	Seconds	320-380
Demold Time	Minutes	10-15
<i>*Variety of gel times available</i>		

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.



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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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