



TECHNICAL DATA SHEET

PCF 316-16-20S-NATURAL

PRODUCT DESCRIPTION: PCF 316 is a pour in place polyurethane foam system developed specifically for very high density and strength molded applications. It is available in 2.5 pounds per cubic foot through 40 pounds per cubic foot nominal densities and is designed for ease of application.

APPLICATIONS: PCF 316 is recommended for structural molded applications where very high compressive strength is required combined with smooth surface definition.

CHEMICAL PROPERTIES:

PROPERTY	TEST METHOD	RESULTS	
		COMP A@	COMP B@
Viscosity cps. @74° F	ASTM D-2196	200-250	400-600
Specific Gravity @74° F	ASTM D-1638	1.24	1.14
Weight Per Gallon		10.33	9.54

REACTIVITY PROFILE

Cream Time, Sec. @74° F	18-25
Rise Time, Sec. @ 74° F	40-60
Tack Free Time, Sec @ 74° F	40-60

PHYSICAL PROPERTIES:

PROPERTY	TEST METHOD	RESULTS
		316-16
DENSITY	ASTM D -1622	15
COMPRESSIVE* STRENGTH PARALLEL	ASTM D -1621	450
TENSILE STRENGTH* PARALLEL	ASTM D 1623	400



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
Fax: (562) 921-7363

www.Polycoat.com

PHYSICAL PROPERTIES CONT.

PROPERTY	TEST METHOD	RESULTS
CLOSED CELL CONTENT*	ASTM D -2856	>92%

* Estimated from empirical data on similar products.

STORAGE:

COMPONENT A (ISOCYANATE)

THE ISOCYANATE MUST BE STORED IN TIGHTLY SEALED CONTAINERS AND PROTECTED FROM MOISTURE. THE MATERIAL SHOULD BE STORED AT TEMPERATURES BETWEEN 65 AND 75° F.

COMPONENT B (POLYOL)

THE POLYOL IS HYGROSCOPIC (MOISTURE ABSORBENT). KEEP CONTAINERS SEALED TO PREVENT MOISTURE ABSORPTION. STORE MATERIAL AT TEMPERATURES BETWEEN 65 AND 75° F.

FIRE SAFETY: URETHANE FOAMS ARE ORGANIC MATERIALS AND WILL BURN WHEN EXPOSED TO OPEN FLAMES AND OTHER IGNITION SOURCES. DO NOT USE NEAR WELDING OR OTHER HIGH HEAT PRODUCING OPERATIONS WITHOUT PROPER FIRE WATCH PRESENT. DO NOT SMOKE WHILE USING THIS PRODUCT.

SAFETY INFORMATION: MATERIAL SAFETY DATA SHEETS ARE SENT WITH EACH SHIPMENT OF POLYCOAT PRODUCT=S PRODUCTS. THESE DATA SHEETS SHOULD BE READ AND UNDERSTOOD BY ALL PERSONNEL WHO WILL COME IN CONTACT WITH THE PRODUCT BEFORE THE CONTAINERS ARE OPENED. IF THE SAFETY DATA SHEETS ARE LOST OR YOU REQUIRE ADDITIONAL DATA SHEETS, PLEASE CONTACT POLYCOAT PRODUCT AT **1 (877) 684-7335** AND REPLACEMENTS WILL BE SENT. **READ CAREFULLY**

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