POLYCOAT PRODUCTS
A Division of American Polymers Corp.

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PRODUCT DATA SHEET

PC 511-81A-100S-NAT/BLACK

Typical Properties PC 511-81A A COMP (ISO)

Viscosity, mPa·s @ 25°C:	80-100
Specific Gravity @ 25°C :	1.22
Appearance @ 25°C:	liquid

Typical Properties PC 511-81A B COMP (polyol blend)

Viscosity, mPa·s @ 25°C:	800-1000
Specific Gravity @ 25°C :	1.05
Appearance @ 25°C:	viscous liquid

Typical Physical Properties		
Hardness	Shore A	85A-95A
Tear strength	PLI	150
Split Tear,	PLI	58
Elongation	%	240
Tensile Strength	PSI	1300

Processing Characteristics		
Mix ratio by weight A/B		30/70
Gel Time*, 74 °F	SECOND	100-110

Product Description:
PC 511-81A is a two-component, low viscosity, flexible polyurethane elastomer.

Recommended Uses:
PC 511-81A is designed for molding applications where a durable and flexible material of medium hardness is required.

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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