POLYCOAT PRODUCTS
A Division of American Polymers Corp.

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# PRODUCT DATA SHEET

# PC 511-85A-100S-NAT/BLACK

### Typical Properties PC 511-85A A COMP (ISO)

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

### Typical Properties PC 511-85A B COMP (polyol blend)

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|---|---|
| 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-98A |
| Tear strength | PLI | 170 |
| Split Tear, | PLI | 70 |
| Elongation | % | 220 |
| Tensile Strength | PSI | 1400 |
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### Processing Characteristics

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| Mix ratio by weight A/B | | 33/67 |
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| Gel Time*, 74 °F | SECOND | 100-110 |
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### Product Description:
PC 511-85A is a two-component, low viscosity, flexible polyurethane elastomer.

### Recommended Uses:
PC 511-85A 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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