



DongSung Chemical  
123 Jiwha-Gil SangBuk-Myeon  
Ulju-Kun, Ulsan, KOREA  
Tel)82-52-255-9500 Fax)82-52-254-3287

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## NEOSTANE STA77N

## Product information

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- **Description**

Polyester based Aliphatic Thermoplastic Polyurethane.

- **Special features**

Excellent light and heat resistance, Environment friendly, Higher emotional quality in smell and touch, Good anti-abrasion. Good elasticity in low temperature.

- **Applications**

Injection molding

- **Typical Physical Properties**

| Properties       | Test Method | Unit                | STA77N  | Remarks       |
|------------------|-------------|---------------------|---------|---------------|
| Hardness         | ASTM D 2240 | Shore A             | 82±2    |               |
| Tensile strength | ASTM D 412  | kgf/cm <sup>2</sup> | 230±30  |               |
| Elongation       | ASTM D 412  | %                   | min 800 |               |
| Tear strength    | ASTM D 624  | kgf/cm              | min 65  |               |
| Melt Index       | ISO 1133    | g/10min             | 55 ± 5  | 165°C, 2.16kg |

- **Injection molding conditions(for start-up)**

| Items       | Unit | Nozzle | Cylinder 1 | Cylinder 2 | Cylinder 3 |
|-------------|------|--------|------------|------------|------------|
| Temperature | °C   | 145±5  | 145±5      | 140±5      | 135±5      |

- **Material preparation prior to processing**

The material must be dried at 100°C for 2 hours. Hopper dryer is highly recommended.



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- **Storage stability**

NEOSTANE STA77N must be stored in a dry and ventilated condition.

- **Packaging**

Net Weight 700kg