



# RAVATHANE<sup>®</sup>

## Technical Data Sheet

### Ravathane<sup>®</sup> 141 A93 10

**Description:** Thermoplastic polyurethane based on special polyester that having non blooming properties, strong resilience and tear resistance, excellent abrasion resistance, higher resistance to hydrolysis failure and oxidation, good stability towards solvents and light.

**Application:** Injection molding

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	93
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1.20
100% modulus	ISO 37	MPa	9
300% modulus	ISO 37	MPa	18
Tensile strength	ISO 37	MPa	45
Elongation at break	ISO 37	%	620
Tear strength	ISO 34-1 B/b	N/mm	185
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	40

Properties have been tested on injection molded plaques conditioned 24 hours at room temperature before testing.

Before processing, the pellets have to be dried at 80-90 °C for 2-4 hours. Maximum moisture content should be below 0.02%.

#### Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
185-205	195-215	195-215	185-205