



# RAVATHANE®

## Ravathane® 141 A85 HR

**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:** Shoe molding

**Features:** Non-blooming, hydrolysis stabilized

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	86
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1.18
100% modulus	ISO 37	MPa	6
300% modulus	ISO 37	MPa	10
Tensile strength	ISO 37	MPa	35
Elongation at break	ISO 37	%	950
Tear strength	ISO 34-1 B/b	N/mm	120
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.

### Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
165-185	175-195	175-195	165-185

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