



# RAVATHANE<sup>®</sup>

## Technical Data Sheet

### Ravathane<sup>®</sup> 141 A75 HR

**Description:** Plasticized 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	75
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1.15
100% modulus	ISO 37	MPa	3.20
300% modulus	ISO 37	MPa	5.00
Tensile strength	ISO 37	MPa	32
Elongation at break	ISO 37	%	850
Tear strength	ISO 34-1 B/b	N/mm	75
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	50

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)
150-170	155-175	155-175	150-170