



# RAVATHANE®

## Technical Data Sheet

### Ravathane® 130 A90 DU

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

**Application:** Injection molding and extrusion applications

**Features:** Low cycle time, good crystallization, easy demoulding.

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	90
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,21
100% modulus	ISO 37	MPa	7
300% modulus	ISO 37	MPa	16
Tensile strength	ISO 37	MPa	45
Elongation at break	ISO 37	%	550
Tear strength	ISO 34-1 B/b	N/mm	120
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	35

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	190-210	190-210	185-205