



# RAVATHANE<sup>®</sup>

## Technical Data Sheet

### Ravathane<sup>®</sup> 120 A95L

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

**Application:** Injection molding.

**Feature:** Short cycle time, good demoulding

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	95
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,21
Tensile stress at:			
-100% elongation	ISO 37	MPa	10
-300% elongation	ISO 37	MPa	17
Tensile strength at break	ISO 37	MPa	45
Elongation at break	ISO 37	%	650
Tear strength	ISO 34-1 B/b	N/mm	175
Abrasion resistance	ISO 4649	mm <sup>3</sup>	30

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)
220-230	215-225	215-225	210-220

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