



# RAVATHANE<sup>®</sup>

## Technical Data Sheet

### Ravathane<sup>®</sup> 120 A70

**Description:** Plasticized 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:** Phthalate free.

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	70
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,18
Tensile stress at:			
-100% elongation	ISO 37	MPa	2,5
-300% elongation	ISO 37	MPa	6,0
Tensile strength at break	ISO 37	MPa	26
Elongation at break	ISO 37	%	900
Tear strength	ISO 34-1 B/b	N/mm	95
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)
170-180	175-185	170-180	160-170

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