



# RAVATHANE®

## Ravathane® 175 D50 E10

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

**Application:** Extrusion applications

**Feature:** Good transparency

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore D	52
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1.22
100% modulus	ISO 37	MPa	14
300% modulus	ISO 37	MPa	27
Tensile strength	ISO 37	MPa	45
Elongation at break	ISO 37	%	560
Tear strength	ISO 34-1 B/b	N/mm	210
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 (Extrusion)

Nozzle (°C)	Zone 3 (°C)	Zone 2 (°C)	Zone 1 (°C)
190-210	195-215	195-215	190-210

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