



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 ³	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 ³	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%.