



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 165 A92 D0 HF

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

Application: Film and sheet, melt coating, textile lamination
Features: High transparency, easy processing, low melting temperature

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	92
Density	ISO 1183-1 A	g/cm ³	1.20
100% modulus	ISO 37	MPa	8
300% modulus	ISO 37	MPa	12
Tensile strength	ISO 37	MPa	40
Elongation at break	ISO 37	%	800
Tear strength	ISO 34-1 B/b	N/mm	150
Abrasion Resistance	ISO 4649	mm ³	40
Vicat Softening Point (50°C/10N)	ISO 306	°C	84

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 (Extrusion)

Nozzle (°C)	Zone 3 (°C)	Zone 2 (°C)	Zone 1 (°C)
170-190	175-195	175-195	170-190