



RAVATHANE®

Technical Data Sheet

Ravathane® 140 A90

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

Application: Profile extrusion, hoses, wire and cable, shoes etc.

Feature: Extrusion and injection molding.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	90
Density	ISO 1183-1 A	g/cm ³	1,20
100% modulus	ISO 37	MPa	7,2
300% modulus	ISO 37	MPa	13
Tensile strength	ISO 37	MPa	50
Elongation at break	ISO 37	%	650
Tear strength	ISO 34-1 B/b	N/mm	140
Abrasion Resistance	ISO 4649	mm ³	40

Properties have been tested on extrusion tape 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)	Metering (°C)	Compression (°C)	Feed (°C)
190-210	190-210	185-205	180-200