

RAVATHANE®



Technical Data Sheet

Ravathane® 140 A85 L

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: Hoses, conveyor belts, wire and cable etc.

Features: Especially easy using in ABS coextrusion

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	85
Density	ISO 1183-1 A	g/cm ³	1,19
100% modulus	ISO 37	MPa	5,50
300% modulus	ISO 37	MPa	12,3
Tensile strength	ISO 37	MPa	50,0
Elongation at break	ISO 37	%	600
Tear strength	ISO 34-1 B/b	N/mm	100
Abrasion Resistance	ISO 4649	mm ³	30

Properties have been tested on extrusion tape conditioned 16 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)
190-210	190-210	190-210	185-205