

**RAVATHANE®**



**Technical Data Sheet**

**Ravathane® 140 D50**

**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, etc.

**Typical Properties**

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore D	50
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,22
100% modulus	ISO 37	MPa	16
300% modulus	ISO 37	MPa	27
Tensile strength	ISO 37	MPa	52
Elongation at break	ISO 37	%	600
Tear strength	ISO 34-1 B/b	N/mm	200
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	40

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)
195-215	195-215	195-215	190-210