



# **RAVATHANE®**

## **Technical Data Sheet**

### **Ravathane® 140 A80**

**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	80
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,20
100% modulus	ISO 37	MPa	6
300% modulus	ISO 37	MPa	11
Tensile strength	ISO 37	MPa	45
Elongation at break	ISO 37	%	500
Tear strength	ISO 34-1 B/b	N/mm	130
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	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 (Injection Molding)**

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
195-205	200-210	200-210	190-200

**Disclaimer:** The information provided here is for reference only. We request that customers test our products in their application. We guarantee that our products will meet our written specifications. The customers are welcome to contact our customer and our technical service department in case of question about our products.



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