



# **RAVATHANE®**

## **Technical Data Sheet**

### **Ravathane® 140 A85 S30M**

**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:** Especially designed for matt surfaces.

### **Typical Properties**

<b>PROPERTIES</b>	<b>TEST METHOD</b>	<b>UNITS</b>	<b>VALUES</b>
Hardness	ISO 868	Shore A	83
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,08
100% modulus	ISO 37	MPa	3,0
300% modulus	ISO 37	MPa	7,0
Tensile strength	ISO 37	MPa	30
Elongation at break	ISO 37	%	650
Tear strength	ISO 34-1 B/b	N/mm	90
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	50

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)
175-195	180-200	180-200	175-195