



# **RAVATHANE®**

## **Technical Data Sheet**

### **Ravathane® 140 A93 D0**

**Description:** Thermoplastic polyurethane based on polyester having 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 A	93
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1.2
100% modulus	ISO 37	MPa	10
300% modulus	ISO 37	MPa	18
Tensile strength	ISO 37	MPa	45
Elongation at break	ISO 37	%	610
Tear strength	ISO 34-1 B/b	N/mm	210
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	40

Properties have been tested on injection molded plaques 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)	Zone 3 (°C)	Zone 2 (°C)	Zone 1 (°C)
190-210	190-210	185-205	180-200