



# **RAVATHANE®**

## **Technical Data Sheet**

### **Ravathane® 130 A80 S**

**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:** Injection molding.

**Feature:** High flow properties.

### **Typical Properties**

<b>PROPERTIES</b>	<b>TEST METHOD</b>	<b>UNITS</b>	<b>VALUES</b>
Hardness	ISO 868	Shore A	82
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,19
100% modulus	ISO 37	MPa	4,5
300% modulus	ISO 37	MPa	9
Tensile strength	ISO 37	MPa	26
Elongation at break	ISO 37	%	640
Tear strength	ISO 34-1 B/b	N/mm	100
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	60

Properties have been tested on injection molded plaques conditioned 16 hours at room temperature before testing.

### **Application Guideline (Injection Molding)**

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

Before processing, the pellets have to be dried at 80-90°C for 2-4 hours. Maximum moisture content should be below 0.02%.