



# RAVATHANE<sup>®</sup>

## Technical Data Sheet

### Ravathane<sup>®</sup> 130 A80 UV

**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.

**Features:** Increased UV resistance

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	82
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,19
Tensile stress at:			
-100% elongation	ISO 37	MPa	4,8
-300% elongation	ISO 37	MPa	9,0
Tensile strength at break	ISO 37	MPa	28
Elongation at break	ISO 37	%	620
Tear strength	ISO 34-1 B/b	N/mm	120
Abrasion resistance	ISO 4649	mm <sup>3</sup>	40

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	190-200	180-190

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