



# RAVATHANE<sup>®</sup>

## Technical Data Sheet

### Ravathane<sup>®</sup> 210 A80

**Description:** Thermoplastic polyurethane based on polyether having strong resilience and tear resistance, high abrasion resistance, high resistance to hydrolysis failure and microbial attack, good stability towards solvents and light.

**Application:** 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>	1,10
Tensile stress at:			
-100% elongation	ISO 37	MPa	5,0
-300% elongation	ISO 37	MPa	8,0
Tensile strength at break	ISO 37	MPa	30
Elongation at break	ISO 37	%	750
Tear strength	ISO 34-1 B/b	N/mm	80
Abrasion resistance	ISO 4649	mm <sup>3</sup>	35

Properties have been tested on injection molded plaques conditioned 24 hours at room temperature before testing.

### Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
195-205	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%.