



# RAVATHANE<sup>®</sup>

## Technical Data Sheet

### Ravathane<sup>®</sup> 240 A70 UV HR

**Description:** Polyether based thermoplastic polyurethane with excellent resistance to hydrolysis, resistance to microbiological attack, good wear performance, high tensile strength, good damping behavior.

**Application:** Extrusion and injection molding applications.

**Features:** Improved hydrolysis and UV resistance.

### Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	72
Density	ISO 1183-1 A	g/cm <sup>3</sup>	1,05
100% modulus	ISO 37	MPa	3,2
300% modulus	ISO 37	MPa	5,0
Tensile strength	ISO 37	MPa	25
Elongation at break	ISO 37	%	800
Tear strength	ISO 34-1 B/b	N/mm	80
Abrasion Resistance	ISO 4649	mm <sup>3</sup>	50

Properties have been tested on injection molded parts conditioned 16 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)
165-185	170-190	170-190	165-185