



RAVATHANE®

Ravathane® 240 A80 S11 HHR

Description: Thermoplastic polyurethane based on polyether 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, conveyor belt, other extruded parts etc.

Features: Opaque

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	82
Density	ISO 1183-1 A	g/cm ³	1.11
100% modulus	ISO 37	MPa	4.60
300% modulus	ISO 37	MPa	7.80
Tensile strength	ISO 37	MPa	31
Elongation at break	ISO 37	%	630
Tear strength	ISO 34-1 B/b	N/mm	80
Abrasion Resistance	ISO 4649	mm ³	65

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)
165-185	170-190	170-190	165-185