



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 141 A80 HR

Description: Thermoplastic polyurethane based on special polyester that having non blooming properties, having strong resilience and tear resistance, excellent abrasion resistance, higher resistance to hydrolysis failure and oxidation, good stability towards solvents and light.

Application: Shoe molding, injection molding

Feature: Non-blooming, hydrolysis stabilized

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	80
Density	ISO 1183-1 A	g/cm ³	1.16
Tensile stress at:			
-100% elongation	ISO 37	MPa	4
-300% elongation	ISO 37	MPa	6
Tensile strength at break	ISO 37	MPa	40
Elongation at break	ISO 37	%	700
Tear strength	ISO 34-1 B/b	N/mm	80
Abrasion Resistance	ISO 4649	mm ³	45

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

Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
160-180	170-190	170-190	160-180

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