



RAVATHANE[®]

Technical Data Sheet

Ravathane[®] 210 D55 UV

Description: Thermoplastic polyurethane based on polyether having strong resilience and tear resistance, excellent abrasion resistance, excellent 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 D	55
Density	ISO 1183-1 A	g/cm ³	1,16
Tensile stress at:			
-100% elongation	ISO 37	MPa	19
-300% elongation	ISO 37	MPa	27
Tensile strength at break	ISO 37	MPa	40
Elongation at break	ISO 37	%	520
Tear strength	ISO 34-1 B/b	N/mm	210
Abrasion resistance	ISO 4649	mm ³	45

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)
210-230	210-230	210-230	210-230

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