



RAVATHANE®

Technical Data Sheet

Ravathane® 210 A80 FR

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 and extrusion.

Features: Flame Retardant, transparent.

Typical Properties

PROPERTIES	TEST METHOD	UNITS	VALUES
Hardness	ISO 868	Shore A	80
Density	ISO 1183-1 A	g/cm ³	1,12
Tensile stress at:			
-100% elongation	ISO 37	MPa	4,0
-300% elongation	ISO 37	MPa	10,0
Tensile strength at break	ISO 37	MPa	205
Elongation at break	ISO 37	%	950
Tear strength	ISO 34-1 B/b	N/mm	90
Abrasion resistance	ISO 4649	mm ³	60
UL94 Flame Test	UL94	-	V2(1,6mm)

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)
190-195	185-190	180-185	175-180

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