



RAVATHANE

Technical Data Sheet

R210A80UV

Description: Product is based on standard grade polyether and has 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 and extrusion

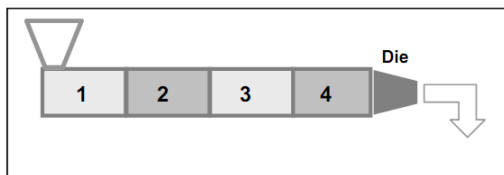
Typical Properties

PROPERTIES	METHOD	UNITS (English Metric)	NOMINAL VALUES
Hardness	DIN 53505 – ISO 868	Shore A	80A
Density	DIN ISO 1183-1 A	g/cm ³	1,10
100% modulus	DIN 53504 – ISO 37	MPa	5,0
300% modulus	DIN 53504 – ISO 37	MPa	8,0
Tensile strength	DIN 53504 – ISO 37	MPa	30
Elongation at break	DIN 53504 – ISO 37	%	750
Tear strength	DIN ISO 34-1 B/b	N/mm	80
Abrasion Resistance	DIN ISO 4649	mm ³	35

Application Guideline (Injection Molding)

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)	Pressure (Mpa)	Drying Temp. (°C)
195	195	190	180	70	100-110

Application Guideline (Extrusion)



Zone 1	180 °C	195 °C
Zone 2	190°C	210°C
Zone 3	200°C	220°C
Zone 4	185°C	200°C
Die	185°C	195°C

Type: 30/25d (l/d=25:1), Cooling:Air, Screw:3:1, Speed:3:1, Speed:50 rpm, Breaker plate:---Filter:--- Thickness Die:0,2mm, Pre-heating:1h@100°C

Disclaimer: The information provided here is for reference only. We request that customers inspect and test our products before using them to satisfy themselves as to contents and suitability. We warrant that our products will meet our written specifications. All patent rights are reserved. The user is welcome to contact our customer and technical service center with questions on our products.



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Edition 2012 – Rev 00