



# 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

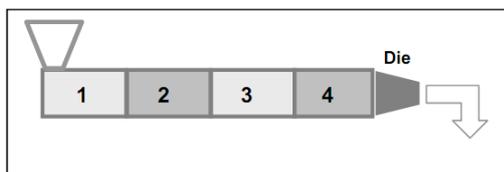
### Typical Properties

PROPERTIES	METHOD	UNITS (English Metric)	NOMINAL VALUES
Hardness	DIN 53505 – ISO 868	Shore A	80A
Density	DIN ISO 1183-1 A	g/cm <sup>3</sup>	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 <sup>3</sup>	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



Manufacturer : RAVAGO KİMYA Plastik San. ve Tic. A.Ş.



Supplier : ENPLAST Plastik Kimya San. ve Tic. A.Ş.