

# VRPREMIUM Neoprene

VRTRADE



MECHANICAL	Standard	Value		Test Method
Rubber compound		CR		
Density	DIN 53508	1.40 +/-0.05	g/cm3	ASTM D297
Hardness	DIN 53505	65 <sup>0</sup> +/-5	Shore A	ASTM D2240
Tensile strength	DIN 53504	10	MPa	ASTM D412
Elongation at break	DIN 53504	≥ 400	%	ASTM D412
Tear resistance	DIN 53515	25	Kg/cm	ASTM D624
Compression set after 24h at 70 <sup>0</sup> C	DIN 53517	40	%	ASTM D395

## TEMPERATURE

Working temperature -25<sup>0</sup> C - +100<sup>0</sup>C

## AGEING (72 hrs. at 70<sup>0</sup>C)

Δ Hardness	+5	pts
Δ Tensile	+10/-25	%
Δ Elongation at break	+10/-30	%

## OIL RESISTANCE

Astm Oil no.1, Δ volume after 72h at 70 <sup>0</sup> C	+18	%
Astm Oil no.2, Δ volume after 72h at 70 <sup>0</sup> C	+23	%
Astm Oil no.3, Δ volume after 72h at 70 <sup>0</sup> C	+60	%

## CHEMICAL RESISTANCE

Diluted acids and bases	Good
Concentrated acids and basis	Moderate
Ozone and UV	Good
Oils and hydrocarbons*	Moderate

\* not for Bio-fuels, oils and lubricants