

Datasheet - NBR 90 Compound

Temperature resistance:

Low : -30 °C

High : 120 °C

Hardness tolerance: -5 / +5

Physical Properties :

Property	Test Standard	Value	Unit
Hardness	ISO 48	89 ± 5	IRHD
Elongation at Break	ISO 37	150	%
Tensile Strength	ISO 37	16	MPa
Compression Set (24 hrs at 100°C)	ISO 815	13	%

Heat Ageing (70 hours at 100°C)

Property	Test Standard	Change	Unit
Hardness Change	ISO 188	4	IRHD
Elongation at Break Change	ISO 188	-22	%
Tensile Strength Change	ISO 188	5	%

Immersion in ASTM Oil No. 3 (70 hours at 100°C)

Property	Test Standard	Change	Unit
Hardness Change	ISO 1817	-5	IRHD
Elongation at Break Change	ISO 1817	-10	%
Tensile Strength Change	ISO 1817	-4	%
Volume Change	ISO 1817	4	%