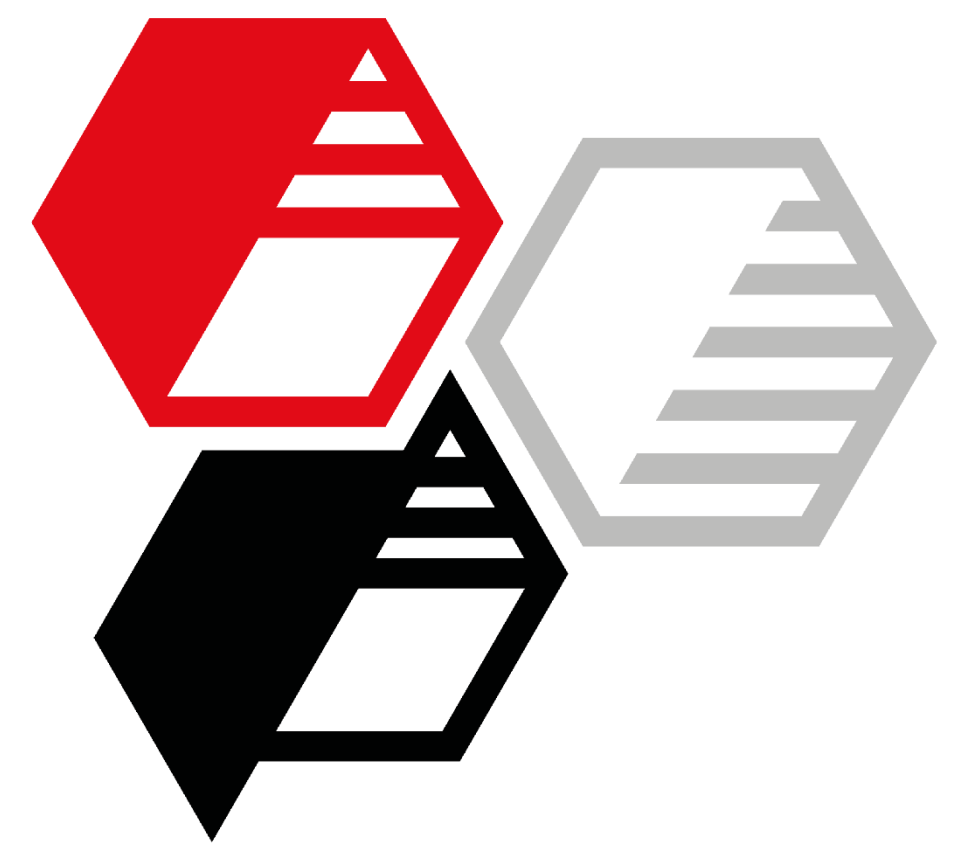


Neuburg Siliceous Earth in NBR oil seals cost-effective alternative to N990



Formulation

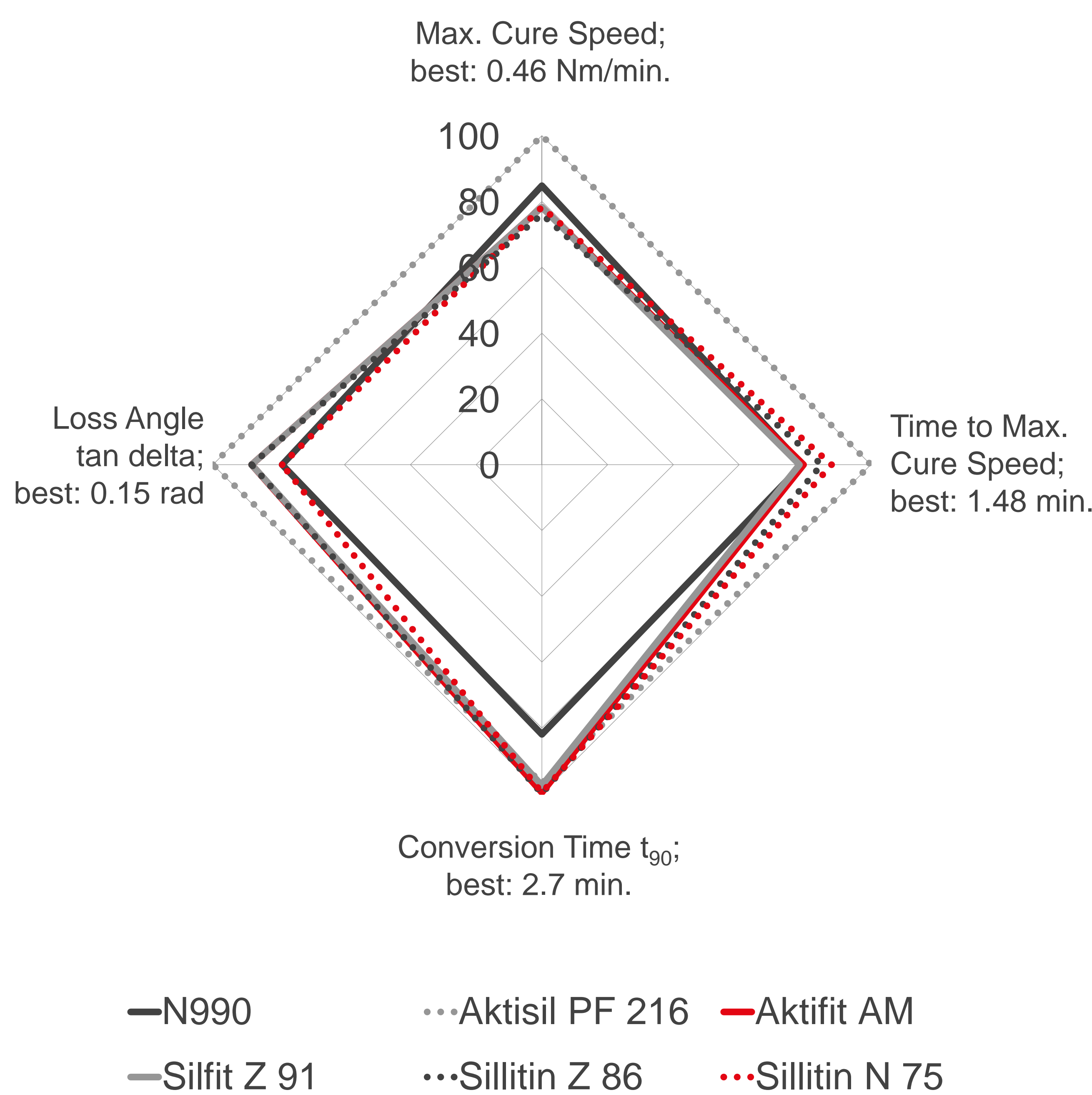
Formulation in phr Target: 70 Shore A	N990	NSE
Krynac 2950 F, 30 % ACN, ML1+4 (100 °C) 53 MU	100	100
Stearic acid	0.5	0.5
Zinkoxyd aktiv	5	5
TMQ	2	2
N550	60	60
N990	50	-
Neuburg Siliceous Earth	-	50
Mediaplast NB-4	10	10
Sulfur	0.2	0.2
TMTD	2.5	2.5
CBS	2	2

Summary: Replacing N990 by

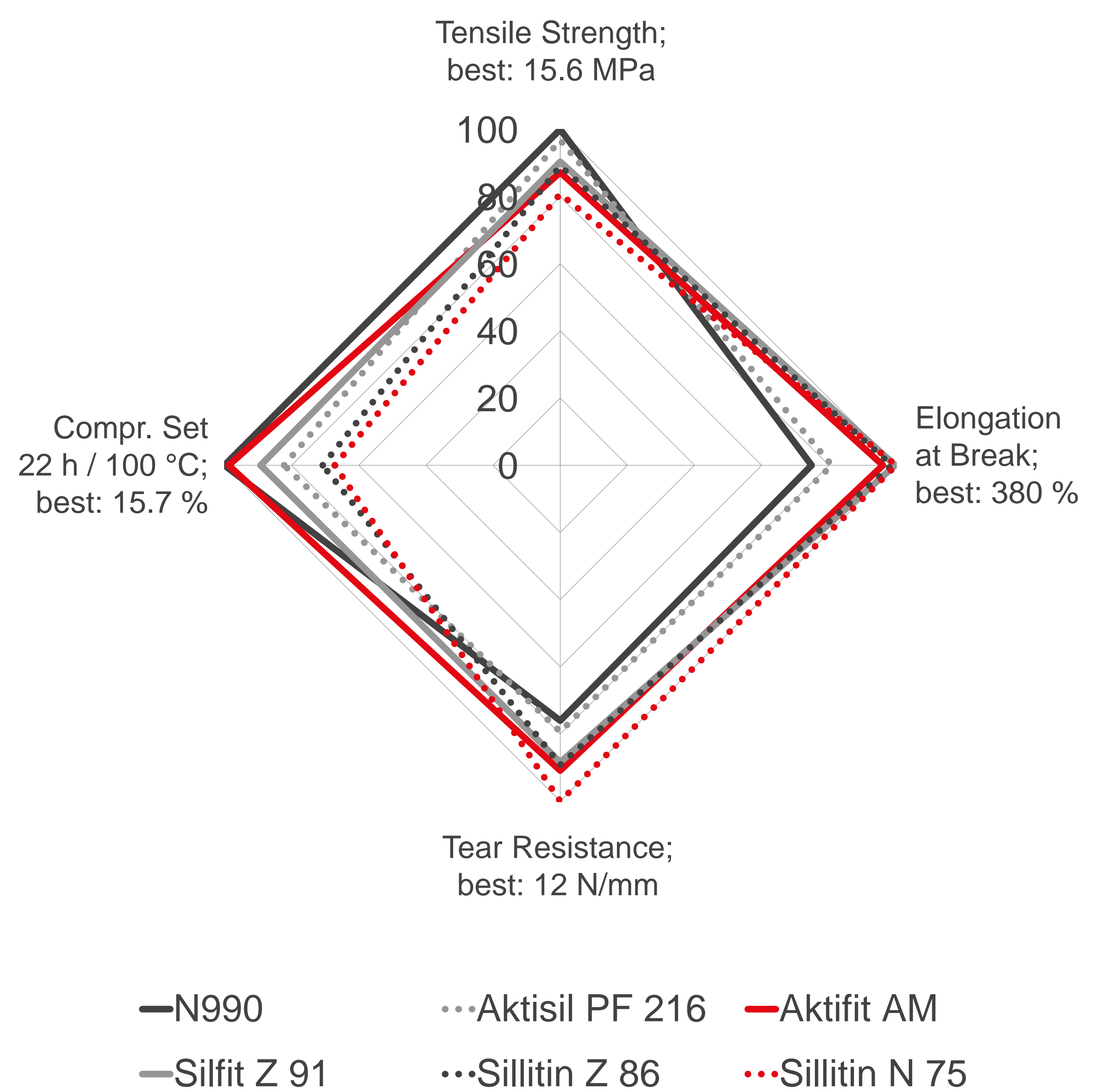
NSE in general: comparable hot air, oil and fuel resistance				
Surface treated NSE		Non-surface treated NSE		
Aktisil PF 216	Aktifit AM	Silfit Z 91	Sillitin Z 86	Sillitin N 75*
lower loss angle	cost reduction potential	cost reduction potential of up to 9 %		
increased cure speed + shorter conversion time t_{90}	shorter conversion time t_{90}			
similar tensile strength	higher elongation at break + higher tear resistance			
less hardness change after fuel immersion	similar compression set	within the non-surface treated grades best compression set	-	-

*The tests were carried out with Sillitin N 82. This product is no longer available. Recommended: Sillitin N 75.

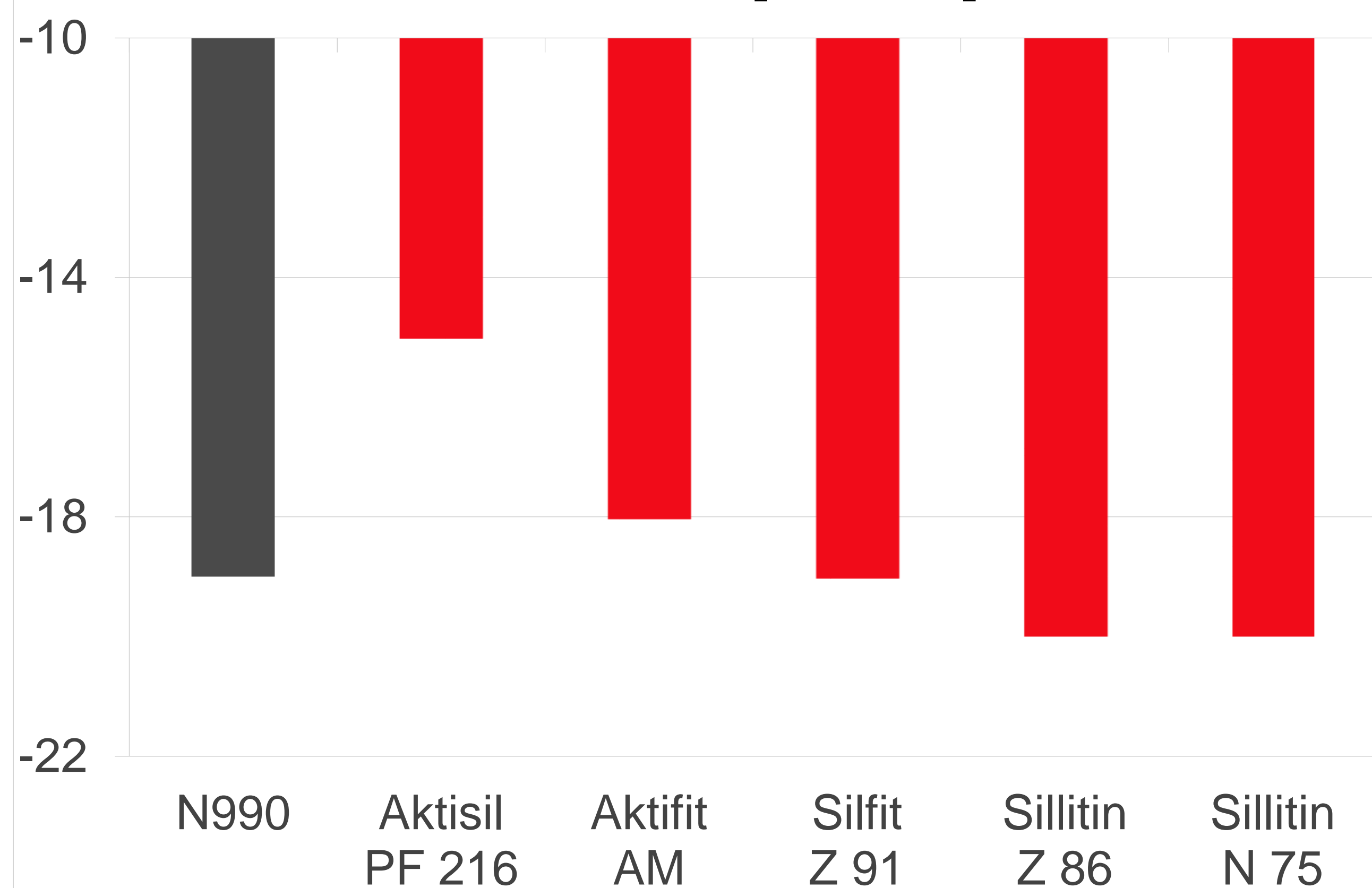
Cure Characteristics, 170 °C Index: 100 = best



General Mechanical Properties Index: 100 = best



Immersion in Fuel (Liquid C), 70 h / 23 °C Δ Hardness [Shore A]



Cost Reduction Volume-related, Germany [%] Replacing N990 by Neuburg Siliceous Earth

