



AUTOMOTIVE INDUSTRY

Molding, light-colored

Silencer mounting

55 Shore A, NR, sulfur cure

Guide formulation of Akzo		RRS 15
NR Smoked Sheets		100.0
Stearic acid		1.0
Perkasil KS 300		40.0
SILLITIN Z 86		10.0
Zinkoxyd aktiv		5.0
Antioxidant MB		1.0
MBTS		1.5
TMTM		1.5
Sulfur		1.5
Total phr		161.5
Density	g/cm ³	1.16

Mooney Viscosity

ML (1+4) 100°C	MU	26
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Mooney Scorch

MS (t ₅) 121°C	min	4.3
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Physical properties

Cure @ 151°C

		5 min	20 min	30 min
Hardness	Shore A	57	55	54
Modulus 100 %	MPa	5.7	4.7	4.5
Modulus 300 %	MPa	14.3	12.0	11.5
Tensile strength	MPa	22.1	21.4	20.2
Elongation at break	%	640	670	670
Rebound	%	46	43	41
Tear resistance	N/mm	104	100	66

Compression set

70 h @ 24°C	%	6.1	5.8	6.1
24 h @ 70°C	%	32	20	12
72 h @ 100°C	%	72	52	42

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