



CONSTRUCTION INDUSTRY

Flooring, light-colored

90/95 Shore A, SBR, sulfur cure

Guide formulations of HOFFMANN MINERAL	M 539.4	with silica		without silica	
		3	4	16	14
SBR 1502		70.0	70.0	75.0	70.0
Krylene HS 260)*		30.0	30.0	25.0	30.0
Zinkoxyd aktiv		5.0	5.0	5.0	5.0
Stearic acid		1.0	1.0	1.0	1.0
SILLITIN N 85		100.0	---	---	---
SILLITIN Z 86		---	100.0	160.0	160.0
Perkasil KS 408-pd		30.0	30.0	---	---
Si 69		---	---	1.0	0.5
Titanium dioxide		10.0	10.0	10.0	10.0
Lipoxol 4000		1.0	1.0	1.0	1.0
Protektor G 3888		0.5	0.5	0.5	0.5
MBTS		1.5	1.5	1.5	1.5
DPG		0.5	0.5	0.5	0.5
TETD		0.3	0,3	0.3	0.3
Sulfur		3.0	3.0	3.0	3.0
Total phr		252.8	252.8	283.8	283.3

)* No longer available. Recommended: Europrene HS 630

Mooney Viscosity

ML (1+4) 120°C	DIN 53523, T3	MU	113	120	107	113
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Mooney Scorch

ML (5 MU) 120°C	DIN 53523, T4	min	29.6	24.4	19.2	17.3
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Goettfert Elastograph, ± 0.2°, 170°C

t ₅	DIN 53529, T3	min	0.9	0.7	1.1	1.0
t ₉₀	DIN 53529, T3	min	4.1	3.9	3.0	2.8



			with silica		without silica	
			3	4	16	14
			M 539.4			
Physical properties						
Cure @ 170°C						
			4.5 min	4.3 min	5 min	5 min
Density	DIN EN ISO 1183-1	g/cm ³	1.524	1.524	1.615	1.617
Hardness	DIN ISO 7619-1	Shore A	92	92	92	93
Hardness	DIN ISO 7619-1	Shore D	40	42	46	47
Modulus 100 %	DIN 53504, S2	MPa	6.0	6.4	8.5	7.6
Tensile strength	DIN 53504, S2	MPa	9.4	9.4	8.8	8.1
Elongation at break	DIN 53504, S2	%	290	270	190	180
Rebound	DIN 53512	%	31	29	32	30
Tear resistance	DIN ISO 34-1, A	N/mm	8.1	8.0	6.3	6.8
Tear resistance (Graves)	DIN ISO 34-1, B	N/mm	25.4	26.4	24.2	25.4
Abrasion (10 N)	DIN ISO 4649	mm ³	381	370	324	369
Abrasion (5 N)	DIN ISO 4649	mm ³	143	136	124	142
Compression set	DIN ISO 815, B					
24 h @ 20°C, 25 % deflection		%	21	27	21	26
24 h @ 70°C, 25 % deflection		%	57	59	40	52
24 h @ 20°C, 15 % deflection		%	23	28	23	27
24 h @ 70°C, 15 % deflection		%	57	59	39	44
Remaining indentation e₁₅₀	DIN 51955	mm	0.03	0.04	---	---
Scratch resistance			good	good	very good	very good

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