



CONSTRUCTION INDUSTRY

Flooring, light-colored

Flooring for sports ground

75 Shore A, EPDM, peroxide cure

Guide formulation of Akzo	RAL 4953.3
Keltan 578Z)*	100.0
SILLITIN N 85	120.0
Process Oil P 460 (ex Sunpar 2280)	10.0
TMQ	0.5
Geniosil GF 58	2.0
Perkadox 14-40	6.0
Total phr	238.5

)* No longer available. Recommended: Keltan 5470 or Keltan 5470Q

Mooney Viscosity

MS 121°C	DIN 53523	MU	32
ML 121°C	DIN 53523	MU	58

Mooney Scorch

MS 121°C	DIN 53524	min	30.2
ML 121°C	DIN 53524	min	22.1

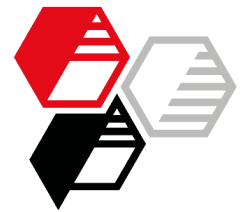
Monsanto Rheometer TM 100, ± 3°, 180°C

t _i		min	0.40
t ₅		min	0.92
t ₉₀		min	6.72
t ₁₀₀		min	19.28
Delta S		Nm	18.3

Physical properties

Press cure 10 min @ 180°C

Density		g/cm ³	1.33
Hardness	DIN ISO 7619-1	Shore A	75
Modulus 100 %	ISO 37/2, S1	MPa	6.7
Tensile strength	ISO 37/2, S1	MPa	12.1
Elongation at break	ISO 37/2, S1	%	245
Rebound	DIN 53512	%	47
Tear resistance (Graves)	DIN ISO 34-1, B	N/mm	11.3



RAL 4953.3

Air aging, 4 d @ 120°C

Hardness	Shore A	76
Modulus 100 %	MPa	8.0
Tensile strength	MPa	14.1
Elongation at break	%	205
Rebound	%	47
Tear resistance	N/mm	11.2

Air aging, 7 d @ 120°C

Hardness	Shore A	76
Modulus 100 %	MPa	8.5
Tensile strength	MPa	14.8
Elongation at break	%	190
Rebound	%	47
Tear resistance	N/mm	11.8

Aging: 24 h UV + 72 h ozone (100 pphm) @ 40°C

Hardness	Shore A	76
Modulus 100 %	MPa	7.4
Tensile strength	MPa	10.1
Elongation at break	%	155
Rebound	%	47
Tear resistance	N/mm	13.3

Aging: 48 h UV + 144 h ozone (100 pphm) @ 40°C

Hardness	Shore A	77
Modulus 100 %	MPa	7.7
Tensile strength	MPa	9.6
Elongation at break	%	140
Rebound	%	47
Tear resistance	N/mm	12.7

Aging: 72 h UV + 216 h ozone (100 pphm) @ 40°C

Hardness	Shore A	77
Modulus 100 %	MPa	8.1
Tensile strength	MPa	9.0
Elongation at break	%	120
Rebound	%	47
Tear resistance	N/mm	12.2

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