



## CONSTRUCTION INDUSTRY

### Flooring, light-colored

#### 80 Shore A, EPDM, sulfur cure

Guide formulations of Degussa (now Evonik)	RRS 10	RRS 11
Keltan 578Z )*	100.0	100.0
SILLITIN P 87	150.0	150.0
Ultrasil VN 2	40.0	---
Coupsil 6411	---	44.0
Zinc oxide RS	5.0	5.0
Stearic acid	2.0	2.0
Titanium dioxide	15.0	15.0
Paraffin oil	45.0	45.0
Protektor G 35 P	5.0	5.0
Struktol WB 212	2.0	2.0
PEG 4000	3.0	3.0
MBT	1.5	1.5
TMTD	1.5	---
ZDMC	1.5	---
ZDEC	1.5	---
ZBEC	---	3.0
Sulfur	1.5	1.5
Total phr	374.5	377.0

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

#### Mooney Viscosity

ML (1+4) 100°C	DIN 53523	MU	72	62
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#### Rheometer, 180°C

$M_{HF} - M_L$		Nm	10.30	9.66
$M_L$		Nm	1.58	1.09
$t_{10\%}$		min	2.1	2.5
$t_{90\%}$		min	4.8	6.2
$t_{90\%} - t_{10\%}$		min	2.7	3.7



			RRS 10	RRS 11
<b>Physical properties</b>				
<b>Cure @ 180°C</b>				
			<b>10 min</b>	<b>13 min</b>
Hardness	DIN ISO 7619-1	Shore A	76	81
Modulus 300 %		MPa	3.9	7.9
Tensile strength	DIN 53504, RI	MPa	8.0	8.2
Elongation at break		%	510	330
Rebound	DIN 53512	%	50	51
Abrasion	DIN ISO 4649	mm <sup>3</sup>	445	320
<b>Compression set</b>				
22 h @ 70°C	ASTM D 395 B	%	25.2	18.6

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