AUTOMOTIVE INDUSTRY
Fuel hose

Fuel hose lining, antistatic
70 Shore A, NBR, sulfur cure

Guide formulation of Schill + Seilacher	6256.0/D-3
Perbunan 3945 F	100.0
Zinc White Harzsiegel	3.0
Ketjenblack EC-600JD	5.0
Carbon black N-330 (Statex)	20.0
SILLITIN N 85	70.0
Struktol WB 300 A)*	15.0
Struktol WB 222	2.0
Vulkanox HS/LG	1.0
Vulkacit DZ/EG-C	2.8
Perkacit ZBEC pd	2.5
Vulkalent E/C	0.6
Struktol SU 109	0.8
Total phr	222.7

)* Struktol WB 300 A can be replaced by Struktol KW 326

Mooney Viscosity

ML (1+4) 100°C	MU	49

ODR, 150°C

ts_2	min	1.1
tc_{10}	min	0.86
tc_{90}	min	5.84

Münchener Straße 75 • DE-86633 Neuburg (Donau)
Phone +49 8431 53-0 • info@hoffmann-mineral.com

6256.0/D-3

Physical properties		
Cure 15 min @ 150°C		
Hardness	Shore A	71
Tensile strength	MPa	10.6
Modulus 100 %	MPa	2.7
Modulus 300 %	MPa	6.4
Elongation at break	%	437
Tear resistance (trousers)	N/mm	7.8
Compression set		
72 h @ 23°C	%	16.4
Volume resistivity	Ω cm	$< 3 \times 10^5$
Blooming after storage 1 week @ RT		no
Air aging, 168 h @ 70°C		
Hardness	Shore A	73
Tensile strength	MPa	11.2
Modulus 100 %	MPa	3.4
Modulus 300 %	MPa	8.0
Elongation at break	%	394
Tear resistance (trousers)	N/mm	8.3
Δ Hardness	Shore A	+2
Δ Tensile strength	%	+5.7
Δ Modulus 100 %	%	+26
Δ Modulus 300 %	%	+25
Δ Elongation at break	%, rel.	-10

Münchener Straße 75 • DE-86633 Neuburg (Donau)
Phone +49 8431 53-0 • info@hoffmann-mineral.com