

ELECTRICAL APPLICATION

Sheathing, light-colored

75 Shore A, EPDM, peroxide cure

Specification DIN VDE 0207 3GM2

Guide formulation of Exxon		E.1.0.003
Vistalon 7001		100.00
SILLITIN Z 86		150.00
Ultrasil VN 3		20.00
Paraffin oil		40.00
Zinc oxide		5.00
Paraffin wax		5.00
Silquest A-172NT		1.20
Irganox 1010		0.15
Sartomer SR-350		2.00
Perkadox 14-40		6.00
Total phr		329.35
Density	g/cm ³	1.36

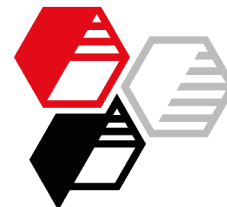
ODR Monsanto, ± 5°, 180°C

ML, minimum	dNm	16
MH, maximum	dNm	109
ts ₂	min	0.7
tc ₉₀	min	7.4

Physical properties

Steam cure 20 min @ 170°C

			DIN VDE 0207 3GM2
Hardness	Shore A	74	
Modulus 100 %	MPa	5.6	
Tensile strength	MPa	11.4	> 10
Elongation at break	%	320	> 300



E.1.0.003

			DIN VDE 0207 3GM2
Air aging, 7 d @ 135°C			
Δ Tensile strength	%	+23	< 30
Δ Elongation at break	%, rel.	+20	< 30
Hot set test, 15 min @ 250°C, 0.2 MPa load			
Extension	%	10	< 175
Permanent set	%	2	< 25
Electrical properties			
Surface resistivity (original)	Ω	9 x 10 ¹⁴	> 10 ⁹
Volume resistivity after immersion in water 14 d @ 90°C	Ω cm	5 x 10 ¹⁰	> 10 ¹⁰

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