

# Vistalon™ 7001 EPDM rubber conveyor belt skim compound – 75 Shore A

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Model formulation	Phr <sup>1</sup>
Vistalon™ 7001	100
Escor™ 5000	25
Carbon black N550	75
Carbon black N762	25
Ultrasil™ VN3 silica	15
3-Mercaptopropyltrimethoxysilane	0.3
IPOL 201 paraffinic oil	60
Zinc oxide	5.0
Luperox™ F40	8.0
Trigonox™ 17-40B-PD	5.0
Sulfur	0.5
<b>Total (phr)</b>	<b>318.8</b>

<sup>1</sup> Parts per hundred dry rubber.

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 100°C	ASTM D1646	MU	65
Mooney scorch, 125°C	ASTM D1646		
t5		minutes	11.9
Rheometer (MDR), 180°C, 0.5 degree arc	ASTM D5289		
ML		dN/m	1.9
MH		dN/m	19.6
ts2		minutes	0.4
t90		minutes	2.7

\* Values given are typical and should not be interpreted as a specification.

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Properties	Test methods (based on)	Unit	Typical values*
<b>Physical properties, cured t90 + 2 minutes at 180°C</b>			
Hardness (3 seconds)	ASTM D2240	Shore A	75
100% modulus	ASTM D412	MPa	5.0
Tensile strength	ASTM D412	MPa	17.6
Elongation at break	ASTM D412	%	310
Tear strength, die B	ASTM D624	N/mm	39
<b>Hot air aging, 7 days at 100°C</b>			
ASTM D572			
Hardness (3 seconds)	ASTM D2240	Shore A	77
100% modulus	ASTM D412	MPa	5.2
Tensile strength	ASTM D412	MPa	17.6
Elongation at break	ASTM D412	%	300
<b>Compression set, cured t90 + 5 minutes at 180°C</b>			
ASTM D395-B			
25% deflection, 22 hours at 70°C		%	10

\* Values given are typical and should not be interpreted as a specification.

Vistalon™ EPDM rubber compounds offer efficient mixing and good heat aging properties for both automotive and industrial applications. For detailed product information, please consult the individual grade datasheets available at [vistalon.com](http://vistalon.com).

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