

Vistalon™ 7001 / 2502 EPDM steam-cured rubber fire hose – 70 Shore A

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Model formulation	Phr ¹
Vistalon™ 7001	80
Vistalon 2502	20
Carbon black SRF N762	45
Carbon black FEF N550	100
IPOL 201 paraffinic oil	95
Struktol™ 40MS	2.0
Zinc oxide	5.0
Stearic acid	2.0
Sulfur	1.5
MBT	1.5
TBzTD	2.0
ZBEC	1.2
Total (phr)	355.2

¹ Parts per hundred dry rubber.

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 100°C	ASTM D1646	MU	33
Mooney scorch, 125°C	ASTM D1646		
t5		minutes	13.7
Rheometer (MDR), 180°C, 0.5 degree arc	ASTM D5289		
ML		dN/m	0.8
MH		dN/m	16.0
ts2		minutes	0.7
t90		minutes	3.7

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

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Properties	Test methods (based on)	Unit	Typical values*
Physical properties, cured t90 + 2 minutes at 180°C			
Hardness (3 seconds)	ASTM D2240	Shore A	69
100% modulus	ASTM D412	MPa	3.2
Tensile strength	ASTM D412	MPa	12.2
Elongation at break	ASTM D412	%	480
Tear strength, die B	ASTM D624	N/mm	36
Hot air aging, 7 days at 100°C			
ASTM D572			
Hardness (3 seconds)	ASTM D2240	Shore A	75
100% modulus	ASTM D412	MPa	7.4
Tensile strength	ASTM D412	MPa	11.7
Elongation at break	ASTM D412	%	170
Compression set, cured t90 + 5 minutes at 180°C			
ASTM D395-B			
25% deflection, 22 hours at 70°C		%	13

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

Vistalon™ EPDM rubber offer efficient mixing, easy processing and good physical properties in industrial hose applications. For detailed product information, please consult the individual grade datasheets available at vistalon.com.

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