

# Vistalon™ 7500 EPDM rubber peroxide-cured building profile – 70 Shore A

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Model formulation	Phr <sup>1</sup>
Vistalon™ 7500	100
Carbon black N550 FEF	135
Omya™ BL calcium carbonate	15
IPOL 201 paraffinic oil	60
PEG 3350	2.0
Calcium oxide (80%)	10
EDMA Sartomer™ 206	2.0
Perkadox™ 14/40	8.0
<b>Total (phr)</b>	<b>332</b>

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

Rheology	Test methods (based on)	Unit	Typical values*
<b>Mooney viscosity, ML (1+4), 100°C</b>	ASTM D1646	MU	80
<b>Rheometer (ODR), 180°C, 3 degree arc</b>	ASTM D2084		
ML		dN/m	12
MH		dN/m	66
ts2		minutes	0.8
t90		minutes	4

\* 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 8 minutes at 180°C</b>			
Hardness (30 seconds)	ASTM D2240	Shore A	73
100% modulus	ASTM D412	MPa	4.9
Tensile strength	ASTM D412	MPa	10.7
Elongation at break	ASTM D412	%	200
Tear resistance	DIN 53507A	kN/m	5.0
<b>Hot air aging, 168 hours at 100°C</b>			
Change in hardness	ASTM D2240	Shore A	+11
Change in tensile strength	ASTM D412	%	-3
Change in elongation	ASTM D412	%	+3
<b>Compression set, press cured 8 minutes at 180°C</b>			
25% deflection, 22 hours at -25°C	ASTM D395-B		69
25% deflection, 22 hours at 100°C			8

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Vistalon™ EPDM rubber grades offer improved tear strength, better aging resistance, increased flexibility and efficient mixing and processing for a variety of molded and extruded seals and gaskets. For detailed product information, please consult the individual grade datasheets available at [vistalon.com](http://vistalon.com).

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