

# Vistalon™ 3702 EPDM rubber roof sheeting membrane – 70 Shore A

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Model formulation	Phr <sup>1</sup>
Vistalon™ 3702	100
Carbon black N 650	95
Kaolin clay	75
Sunpar™ 2280	60
Stearic acid	2.0
Zinc oxide	4.0
<b>Finalization</b>	
Sulfur	1.0
TBBS	2.9
ZDBDC	0.2
<b>Total (phr)</b>	<b>340.1</b>

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

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 125°C	ASTM D1646	MU	79
Mooney scorch, 132°C	ASTM D1646		
t5		minutes	32
Rheometer (ODR), 160°C, 45 minutes, 0.5 degree arc	ASTM D2084		
ML		dN/m	7.9
MH		dN/m	79.2
ts2		minutes	6.9
t90		minutes	25.7

\* 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>Green physicals at 23°C, masterbatch molded at 100°C</b>			
100% modulus	ASTM D412	MPa	1.5
Tensile strength	ASTM D412	MPa	4.6
Elongation at break	ASTM D412	%	820
<b>Physical properties, cured t90 + 10 minutes at 160°C</b>			
Hardness (3 seconds)	ASTM D2240	Shore A	71
100% modulus	ASTM D412	MPa	3.5
Tensile strength	ASTM D412	MPa	11.3
Elongation at break	ASTM D412	%	480
Tear strength, die C	ASTM D624	N/mm	36.8
<b>Hot air aging, 70 hours at 125°C</b>			
Hardness (3 seconds)	ASTM D2240	Shore A	76
100% modulus	ASTM D412	MPa	5.7
Tensile strength	ASTM D412	MPa	11.7
Elongation at break	ASTM D412	%	315
Tear strength, die C	ASTM D624	N/mm	34.8

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Vistalon™ EPDM rubber compounds offer efficient mixing, easy processing, and excellent weathering for roofing applications. For detailed product information, please consult the individual grade datasheets available at [vistalon.com](http://vistalon.com).

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