

Vistalon™ 6602 EPDM rubber dense weatherseal – 65 Shore A

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Model formulation	Phr ¹
Vistalon™ 6602	100
Carbon black N550 FEF	130
Flexon™ 876 paraffinic oil	70
Stearic acid	1.0
Zinc oxide (red seal)	5.0
Calcium oxide (80%)	4.0
Sulfur	0.1
Finalization	
Sulfur	1.0
ZBEC (70%)	0.7
MBTS (80%)	1.5
Rhenocure™ ZAT (70%)	1.14
Rhenocure™ TP/G (50%)	1.8
Total (phr)	316.24

¹ Parts per hundred dry rubber.

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 100°C	ASTM D1646	MU	81
Mooney scorch, 125°C	ASTM D1646		
t5		minutes	10.8
Rheometer (MDR), 180°C, 0.5 degree arc	ASTM D5289		
ML		dN/m	2.1
MH		dN/m	15.3
ts2		minutes	0.7
t90		minutes	2.6

* 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 3 minutes at 180°C			
Hardness (3 seconds)	ASTM D2240	Shore A	67
100% modulus	ASTM D412	MPa	3.1
Tensile strength	ASTM D412	MPa	12.5
Elongation at break	ASTM D412	%	555
Green tear strength, die C	ASTM D624	kN/m	5.3
Tear resistance	DIN 53507A	kN/m	14.0
Hot air aging, 7 days at 70°C			
Hardness (3 seconds)	ASTM D2240	Shore A	73
100% modulus	ASTM D412	MPa	4.4
Tensile strength	ASTM D412	MPa	12.9
Elongation at break	ASTM D412	%	390
Compression set, cured 7 minutes at 180°C			
	ASTM D395-B		
25% deflection, 22 hours at -20°C		%	45
25% deflection, 22 hours at 23°C		%	8
25% deflection, 22 hours at 70°C		%	24
25% deflection, 168 hours at 70°C		%	55

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Vistalon™ EPDM rubber compounds meets stringent OEM requirements for both dense and sponge weatherseal applications. For detailed product information, please consult the individual grade datasheets available at vistalon.com.

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