

Vistalon™ 3666 EPDM rubber peroxide-cured dynamic mount – 45 Shore A

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Model formulation	Phr ¹
Vistalon™ 3666	175
Carbon black N550 FEF	70
Struktol™ WB 212	3.0
Zinc oxide	3.0
TMQ	0.4
ZMTI	0.6
TMPT	3.0
Perkadox™ 14/40	6.0
Total (phr)	261

¹ Parts per hundred dry rubber.

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 100°C	ASTM D1646	MU	69
Rheometer (ODR), 180°C, 3 degree arc	ASTM D2084		
ML		dN/m	14
MH		dN/m	46
ts2		minutes	1.0
t90		minutes	5.3

* 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 7 minutes at 180°C			
Hardness (30 seconds)	ASTM D2240	Shore A	44
100% modulus	ASTM D412	MPa	1.5
Tensile strength	ASTM D412	MPa	13.4
Elongation at break	ASTM D412	%	490
Tear resistance	DIN 53507A	kN/m	5.2
Hot air aging, 1000 hours at 130°C			
	ASTM D572		
Change in hardness	ASTM D2240	Shore A	+11
Change in tensile strength	ASTM D412	MPa	+7
Change in elongation	ASTM D412	%	+13
Dynamic properties (dynamic mechanical spectrometer) 60N preload, 50N dynamic force, 5mm amplitude			
Tangent delta 15Hz	ExxonMobil test method	%	14
Tangent delta 100Hz	ExxonMobil test method	%	13
Compression set, cured 8 minutes at 180°C			
	ASTM D395-B		
25% deflection, 70 hours at 100°C		%	15
25% deflection, 70 hours at 130°C		%	26
25% deflection, 70 hours at 150°C		%	30

* 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.

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