

Vistalon™ 7602 EPDM rubber molded goods – 60 Shore A

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Model formulation	Phr ¹
Vistalon™ 7602	100
Carbon black N550	75
Paraffinic oil	50
Zinc oxide	5.0
Stearic acid	1.0
PEG 3350	2.0
TMDQ	1.5
Sulfur	0.5
TMTD	1.0
DTDM	1.0
MBT	1.5
Total (phr)	238.5

¹ Parts per hundred dry rubber.

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 100°C	ASTM D1646	MU	62
Mooney scorch, 125°C	ASTM D1646		
t5		minutes	5.3
Rheometer (MDR), 180°C, 0.5 degree arc	ASTM D5289		
ML		dN/m	1.5
MH		dN/m	14.9
ts2		minutes	0.8
t90		minutes	2.5

* 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	57
100% modulus	ASTM D412	MPa	2.0
Tensile strength	ASTM D412	MPa	12.0
Elongation at break	ASTM D412	%	530
Hot air aging, 7 days at 125°C			
Hardness (3 seconds)	ASTM D2240	Shore A	63
100% modulus	ASTM D412	MPa	3.4
Tensile strength	ASTM D412	MPa	10.5
Elongation at break	ASTM D412	%	310
Oil aging, ASTM 2 oil, 24 hours at 100°C			
Hardness (3 seconds)	ASTM D2240	Shore A	36
100% modulus	ASTM D412	MPa	2.8
Tensile strength	ASTM D412	MPa	5.2
Elongation at break	ASTM D412	%	230
Compression set, cured t90 + 5 minutes at 180°C			
50% deflection, 24 hours at 125°C			58
50% deflection, 24 hours at 23°C			3

* 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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