

# Vistalon™ 6602 / 3666 EPDM rubber peroxide-cured hose – 65 Shore A

Energy lives here™

Model formulation	Phr <sup>1</sup>
Vistalon™ 6602	70
Vistalon 3666	52.5
Durex™ O carbon black	110
Flexon™ 815 paraffinic oil	23
Maglite™ D magnesium oxide	5.0
TMQ	2.0
Sartomer™ SR-350	1.0
Perkadox™ 14-40	9.0
<b>Total (phr)</b>	<b>272.5</b>

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

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 100°C	ASTM D1646	MU	115
Mooney scorch, 125°C	ASTM D1646		
t5		minutes	15
Rheometer (MDR), 180°C, 0.5 degree arc	ASTM D5289		
ML		dN/m	3.3
MH		dN/m	23.2
ts2		minutes	0.5
t90		minutes	4.6

\* Values given are typical and should not be interpreted as a specification.

Vistalon™ 6602 / 3666 EPDM rubber  
peroxide-cured hose – 65 Shore A

Properties	Test methods (based on)	Unit	Typical values*
<b>Physical properties, cured 7 minutes at 180°C</b>			
Hardness (3 seconds)	ASTM D2240	Shore A	69
100% modulus	ASTM D412	MPa	4
Tensile strength	ASTM D412	MPa	11
Elongation at break	ASTM D412	%	410
Green tear strength, die C	ASTM D624	kN/m	9
Tear resistance	DIN 53507A	kN/m	10
<b>Hot air aging, 4 days at 160°C</b>			
Change in hardness (3 seconds)	ASTM D2240	Shore A	7
Change in 100% modulus	ASTM D412	%	27
Change in tensile strength	ASTM D412	%	8
Change in elongation at break	ASTM D412	%	-24
<b>Hot air aging, 14 days at 150°C</b>			
Change in hardness (3 seconds)	ASTM D2240	Shore A	11
Change in 100% modulus	ASTM D412	%	51
Change in tensile strength	ASTM D412	%	0
Change in elongation at break	ASTM D412	%	-50
<b>Oil aging, ASTM 2 oil, 24 hours at 100°C</b>			
Change in hardness (3 seconds)	ASTM D2240	Shore A	-18
Change in 100% modulus	ASTM D412	%	-8
Change in tensile strength	ASTM D412	%	-37
Change in elongation at break	ASTM D412	%	-33
Change in volume	ASTM D471	%	80
Change in weight	ASTM D471	%	62
<b>Compression set, cured 10 minutes at 180°C</b>			
25% deflection, 70 hours at 100°C		%	9
25% deflection, 70 hours at 150°C		%	24
50% deflection, 22 hours at 160°C	P-VW-3307	%	50

\* Values given are typical and should not be interpreted as a specification.

Vistalon™ EDPM rubber compounds offer efficient mixing and good heat aging properties for both automotive and industrial hose applications. For detailed product information, please consult the individual grade datasheets available at [vistalon.com](http://vistalon.com).

©2016 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, ExxonMobil Corporation, or any affiliate either directly or indirectly stewarded.

Contact your ExxonMobil Chemical representative for more information:  
[vistalon.com](http://vistalon.com)

S0816-014E50 Eclipse 401201001

**ExxonMobil**  
Energy lives here™