

Vistalon™ 7500 EPDM rubber sulfur-cured coolant hose – 65 Shore A

Energy lives here™

Model formulation	Phr ¹
Vistalon™ 7500	100
Carbon black N550	120
IPOL 201 paraffinic oil	60
Zinc oxide	5.0
Steric acid	1.5
Structol™ WB16	3.0
TMDQ	1.5
Finalization	
Sulfur	0.5
TMTD	2.0
DTDM	2.0
ZnMDC	0.9
ZDBDC - Butyl Zimate™	0.9
Ni BDC (NBC)	0.9
Total (phr)	298.2

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
Mooney scorch, 125°C	ASTM D1646		
t5		minutes	14.5
Rheometer (MDR), 180°C, 0.5 degree arc	ASTM D5289		
ML		dN/m	1.9
MH		dN/m	18.3
ts2		minutes	1.8
t90		minutes	4.6

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

**Vistalon™ 7500 EPDM rubber
sulfur-cured coolant hose – 65 Shore A**

Properties	Test methods (based on)	Unit	Typical values*
Physical properties, cured t90 + 5 minutes at 170°C			
Hardness (3 seconds)	ASTM D2240	Shore A	69
100% modulus	ASTM D412	MPa	4.0
Tensile strength	ASTM D412	MPa	11.7
Elongation at break	ASTM D412	%	360
Hot air aging, 7 days at 125°C			
Hardness (3 seconds)	ASTM D2240	Shore A	75
100% modulus	ASTM D412	MPa	6.0
Tensile strength	ASTM D412	MPa	12.8
Elongation at break	ASTM D412	%	240
Oil aging, ASTM 2 oil, 24 hours at 100°C			
Hardness (3 seconds)	ASTM D2240	Shore A	45
100% modulus	ASTM D412	MPa	8.6
Tensile strength	ASTM D412	%	220
Compression set, cured t90 + 5 minutes at 170°C			
50% deflection, 24 hours at 125°C	ASTM D395-B	%	55

* 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 hose applications. For detailed product information, please consult the individual grade datasheets available at 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, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

Contact your ExxonMobil Chemical representative for more information:
vistalon.com

S0916-005E50 Eclipse 9902010008

ExxonMobil
Energy lives here™