

# Vistalon™ 8731 EPDM rubber

## 10kV high modulus insulation – 85 Shore A

Energy lives here™

Model formulation	Phr <sup>1</sup>
Vistalon™ 8731	100
Translink™ 37 clay	60
TMQ	1.5
Vinyltri(2-methoxyethoxy) silane	1.0
Zinc oxide	5.0
ERD 90 (red lead)	5.0
Paraffin wax	5.0
Escorene™ LD 400 (LDPE)	5.0
Di-Cup™ 40KE	6.5
<b>Total (phr)</b>	<b>189.0</b>

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

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 125°C	ASTM D1646	MU	26
Mooney scorch, 132°C	ASTM D1646		
t3		minutes	25.6
Rheometer (ODR), 200°C, 6 minutes, 3 degree arc	ASTM D2084		
ML		dN/m	6.8
MH		dN/m	75.7
ts2		minutes	0.7
t90		minutes	2.2

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

**Vistalon™ 8731 EPDM rubber**  
**10kV high modulus insulation – 85 Shore A**

Properties	Test methods (based on)	Unit	Typical values*
<b>Physical properties, cured 20 minutes at 165°C</b>			
Hardness (3 seconds)	ASTM D2240	Shore A	87
100% modulus	ASTM D412	MPa	5.4
Tensile strength	ASTM D412	MPa	13.0
Elongation at break	ASTM D412	%	590
<b>Hot air aging, 14 days at 150°C</b>			
Hardness (3 seconds)	ASTM D2240	Shore A	86
100% modulus	ASTM D412	MPa	5.9
Tensile strength	ASTM D412	MPa	9.9
Elongation at break	ASTM D412	%	390

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

Vistalon™ EPDM rubber provides easy processing with excellent electrical properties for flexible low- and medium-voltage cables. 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, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

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

S0916-021E50 Eclipse 041200802

**ExxonMobil**  
 Energy lives here™