

Product Datasheet



Vistalon™ 501

Ethylene Propylene Copolymer Rubber

Product Description

Vistalon™ 501 EPDM rubber is an ethylene-propylene copolymer having relatively low ethylene content, no diene, very low viscosity and narrow molecular weight distribution. These distinctive attributes enable a wide variety of advanced materials for many technically challenging applications in the automotive, consumer and industrial sectors including: Thermoplastic compounds, highly filled sheeting for agricultural and environmental barriers, peroxide cured rubber compounds, hot-melt and other adhesives. The product is manufactured as pellets which fuse (agglomerate) during storage and transportation.

Key Features

Whether as an innovative polyolefin additive or as a novel compounding component, the high amorphous content and tailored compositional distribution of Vistalon™ 501 EPDM rubber can provide improved performance.

- Excellent processability, fast mixing, good compatibility, fast extrusion, high melt flow
- Low flexural modulus, low temperature performance
- Good physical properties such as durability, impact strength and fatigue resistance
- Thermal, chemical and oxidative stability
- Long term weatherability

General

Availability ¹	- Africa & Middle East - Asia Pacific	- Europe - Latin America	North America
Form(s)	Fused Pellets		
Revision Date	09/26/2023		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR)	7.2 g/10 min	7.2 g/10 min	ASTM D1238
Ethylene Content ²	57.2 wt%	57.2 wt%	ASTM D3900A

Legal Statement

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

For detailed Product Stewardship information, please contact Customer Service.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

² Ethylene and VNB measured on reactor samples before oil injection. Product testing (if necessary) will use MEK extraction technique. Ethylene bias is 0.4 wt% and is subtracted from extracted product results, then compared to reactor spec of 59.0-65.0. No bias exists for VNB. Extracted product results are compared to reactors spec of 0.55-0.85.

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

©2024 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 Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com