Vistalon™ 502

Ethylene Propylene Copolymer Rubber

Product Description

Vistalon™ 502 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™ 502 EPDM rubber can provide improved performance.

-Excellent processabiity, fast mixing, good compatibility, fast extrustion, 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	▪ 09/25/2023		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR)	2.4	g/10 min	2.4	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.

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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

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