7500

Vistalon™

7500 Bimodal EPDM Polymers

Your Benefits

- Consistent quality of mixed compound
- Improved productivity of mixing, extrusion and molding
- Reduced inventories by using a single grade
- High collapse resistance
- High elasticity with easy processing

Technical Features

Vistalon 7500 is an EPDM grade of high molecular weight with a low ethylene content and a high diene level.

It is produced with ExxonMobil Chemical's proprietary technology offering bimodal molecular weight distribution (MWD).

Vistalon 7500 is ideal for the manufacturing of profiles and hoses combining high collapse resistance and smooth extrusion.

Typical Properties

Properties	Test Methods	Vistalon 7500
Mooney Viscosity, ML (1+4) at 125°C	ASTM D 1646 modified (1)	91*
MLRA (1.6-5s SR) at 125°C, Mu.s	ASTM D 1646 modified (1)	790
Ethylene Content, wt %	ASTM D 3900 A	55.5
ENB Content, wt %	ASTM D 6047	5.7
Bale Weight, kg	–	30

* *Based on correlation: Typical values for Mooney viscosity measured at ML (1+8) at 125°C: Vistalon 7500 = 82.*

(1) Radial cavity dies, polymer remassed at 145 ±10°C.

Important information and disclaimer on back.

ExxonMobil Chemical

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Ideal for Solid Sealing Profiles, Automotive Hose and Moldings

Applications	Requirements	Profile Types
Weather Strips	Collapse resistance	60 - 75 Shore A
Building Window Profiles	DIN 7863, AFNOR 85.301	60 - 70 Shore A
Water O-Rings	NEN 7103, DIN 4060, EN 681-1	50 Shore A
Radiator Hose	Compression set VW P3307 High Green Strength	60 - 70 Shore A
Radiator Seals	Injection/compression molding	60 Shore A
Q-Light Gaskets	Injection/compression molding	60 - 70 Shore A
Washing Machine Gaskets	Injection/compression molding	50 Shore A
Air Ducts	Injection/compression molding	60 - 70 Shore A
Bellows	Injection/compression molding	60 Shore A

Extrusion

Vistalon 7500 helps you to improve the efficiency of your existing extrusion equipment. It requires lower energy consumption on the extrusion line and reduces die head pressures. Extrusion is faster than with conventional grades, resulting in increased capacity for your extrusion equipment.

The high green strength of Vistalon 7500 provides reliable feeding of extruders and its high molecular weight leads to optimum collapse resistance.

Vistalon 7500 is therefore suited for the extrusion of complex, thin profiles and hoses.

Vulcanization

The curing properties of Vistalon 7500 make it an optimum single grade for continuous vulcanization (UHF, LCM, fluid bed, shear head) and autoclave cure.

The low compound viscosities achieved with Vistalon 7500, combined with its curing characteristics, lead to easier flow and faster mold filling, giving reduced injection molding cycle times.

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