

Vistalon 7800 EPDM

Vistalon 7800 is an EPDM grade of low molecular weight with a very high ethylene content and a medium diene level. It is produced with ExxonMobil Chemical's proprietary bimodal molecular weight distribution technology.

Vistalon 7800 has been typically designed for high-hardness parts (>90 Shore A).

Typical Properties:

- [Vistalon Grade Slate–Typical Properties](#)

Benefits of Vistalon 7800

- High-hardness end products
- High rigidity
- Easy mixing with flexible rubber strips
- Fast extrusion in continuous vulcanization (CV) lines
- High flow rate for injection molding
- High profile elasticity

Ideal for High-Hardness Body Sealings

Application	Requirement	Profile type
Belt Line Seal – outside/inside	High stiffness	50-55 Shore D
Hood Seal, Trunk Seal	Flexible with high grip	40 Shore D
Rocker Panel	Rigidity	45 Shore D
Fixed Glass Seal, Glass Encapsulation	Easy flow in molding	70 Shore A in blend with conventional EPDM

Processing

Because of their unique molecular weight distribution, Vistalon 7800 compounds have a high elastic structure and can be processed on traditional rubber equipment, open mills and batch-off, and can be cut into flexible strips for easy feeding of extruders.

Co-extrusion

High-hardness sealing profiles, which provide rigidity without having a metal reinforcement, are one of today's requirements in car sealing development, as it reduces cost, allows more flexibility in die design and enhances recyclability. Vistalon 7800 combines both high-hardness and good processability, which makes it very useful for the co-extrusion of complex sealing shapes.

Curing latitude

Vistalon 7800 with its fast cure rate is very useful for CV lines, without blending with traditional EPDM grades. It offers real elastic compression set performance despite its very high ethylene content. Low shrinkage after aging is the result of its high cure state and elastic nature.

Injection molding

Vistalon 7800 has a low dynamic viscosity which favors flow in molding operations, improving part quality and reducing molding cycle time. It can be used in blends with conventional types of EPDM to produce soft seals. It also enlarges the molding applications portfolio by making molding of 90 Shore A compounds easier.

