

Vistalon 8800 EPDM

Vistalon 8800 is an oil-extended EPDM grade of high molecular weight with a low ethylene content and a high diene level. It is produced with ExxonMobil Chemical's proprietary bimodal molecular weight distribution technology.

Vistalon 8800 was developed as a sponge grade to provide shorter mixing cycles and improved dispersion for compounding ultra-soft profiles, thus containing high quantities of plasticizers.

Typical Properties:

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

Benefits of Vistalon 8800

- Very soft sponge profile
- Shorter mixing cycle times
- Improved dispersion of fillers
- Excellent collapse resistance of the profile
- Flexibility at very low temperature

Ideal for Complex Sponge Sealings

Function (door, trunk, hood)	Requirement
Aspect	Aesthetic design Smooth surface
Compression load deflection	Easy door closing Very soft sponge (-30 to 100°C)
Sealing	Noise absorption Complex body-seal design Non-freezing, closed skin Water/air tightness High elasticity (-30 to 100°C)
Mechanical	Tear resistance

Very soft sponge profiles

Vistalon 8800 offers unsurpassed processability for cellular sponge profiles. Consistent mixing and tight dimensional control allow a step-up in extrusion speed and surface smoothness.

Meanwhile, its low crystallinity and fast cure rate provide very low load deflection and excellent compression set performance over a wide temperature range.

- Low specific gravity
- Low load deflection
- Low cold load deflection (-30°C)
- Easy processing (mixing/extrusion)
- Superior compression set

Extrusion

Due to its fast cure rate, Vistalon 8800 improves the productivity of continuous vulcanization (CV) lines. The improved dispersion will ease the extrusion of sponge profiles, resulting in excellent surface smoothness. The high molecular weight and high diene content of Vistalon 8800 provide better collapse resistance and compression set characteristics. In addition, sponge profiles based on Vistalon 8800 have improved tear resistance and good low temperature flexibility (-30°C).