

Enflex-V

EPDM and Polypropylene blends



Enflex-V® is the brand name for dynamically vulcanized ethylene/ propylene/diene (EPDM) and Polypropylene (PP) blends. Fully cured EPDM particles that are homogenously distributed in the thermoplastic polypropylene phase give these compounds unique rubberlike properties, with the advantage of thermoplastic processing techniques. Enflex-V® range can be self-colored with the use of proper MB or provided as pre-colored compounds.

Applications:

- Automotive blow-molded bellows and tubes, window sealing/encapsulation profiles, interior soft touch parts, body and chassis components, door and instrument panel, sealing components, air duct sealing
- Appliance drainage/discharge hose, seals, pump diaphragms, anti-vibration grommets
- Construction residential doors and window seals, co-extruded window profiles, plumbing seals
- Electrical wire and cable insulation and termination boots
- Various castor wheels, pipes, overmolded grips for cutlery and power tools, lawn and garden equipment

Typical Enflex-V properties:

- Hardness range from 45 Shore A to 60 Shore D
- Service temperature: -50°C - +125°C (dynamic) -50- + 135°C (Static/Peak)
- Excellent ozone, UV and weather resistance due to saturated elastomeric phase
- Chemical resistance to aggressive mediums
- Very low (rubberlike) compression set and good elasticity (that does not change significantly over time) in a wide temperature range.
- Adhesion to a broad range of polar and non-polar substrates such as PP, PA, ABS, PC, PS...
- Broad product range including Halogen Free FR, improved oil resistance, improved temperature resistance and other specialty grades.
- Recyclability and lower processing costs with respect to traditional cured rubbers
- Lower density
- Very good resistance to "fatigue" and tear strength

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Grade	Improved UV resistance	High melt flow	Low fogging grades	Injection molding	Extrusion	Blow molding	General purpose	High Performance	Additional Properties
V...120	●			●	●	●		●	Up to 100% vulcanized EPDM Phase
V...227	●			●					EPDM overmolding
V...420	●			●	●	●	●		Economical
V...424	●			●	●		●		Improved flow
V...426	●		●	●	●			●	Low fogging grade
V...500	●			●	●		●		Flame retardant according UL94
V...600	●			●	●		●		Speciality grades
V...800		●		●	●				Foaming grades

To find your local contact, please visit:
www.ultrapolymers.com

