

MELT - 2.0

Density - 0.940

EDI-240 is a certified prime grade 19% VINYL ACETATE-ETHYLENE copolymer designed for specialized molding applications requiring excellent toughness, resilience and strength properties. **EDI-240** complies with FDA regulation 21CFR 177.1350 (a) + (b) concerning Ethylene-Vinyl Acetate copolymers use in contact with food articles, subject to restrictions: 1) may not be used for contact with food containing more than .05% alcohol, and: 2) may not be used in materials for food packaging exceeding 10 mils thickness.

Features:

- Crosslinkable
- Foamable
- Good processability
- Good stiffness, strength, toughness
- High elasticity, impact resistance, molecular weight, and viscosity
- Resilient

Typical Applications:

- Tough, lightweight, scuff resistant athletic footwear wedges
- Midsoles and outsoles
- Flexible tubing and hose
- Automotive parts
- Sportive articles
- Blend component for propret improvement with PE, PP, SBR, and other polymers

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.940
Melt Mass-Flow Rate (190°C/2.16 kg)	D1238	g/10 min	2.0
MECHANICAL (Compression Molded)			
Tensile Strength (Yield)	D638	psi	700
Tensile Strength (Break)	D638	psi	2200
Tensile Elongation (Break)	D638	%	>800
Flexural Modulus - 1% Secant (0.051in/min)	D790	psi	7500
Brittleness Temperature	D746	°F	< (-105)
Vicat Softening Temperature	D1525	°F	147
Melting Temperature	DSC	°F	185
Flexural Rigidity - Compression Molded	D747	psi	5000