

## #10-3 Cross Linked Polyethylene Foam

### Description:

Extremely light weight fine closed cell structure. Chemically cross-linked polyethylene foam provides exceptional durability and tensile strength. Ideal for applications where thicker (+19mm) grades are needed for cushioning or padding. Cross-linked Foam has good shock and impact-sound deadening properties. Versatile in regards to flexibility, inert to most chemicals with low water absorption. Available in white or charcoal.

Thickness Range: 1.6mm (.063") to 50mm (2")

### Typical Properties:

		Test Method
Density	1.5-2.5pcf	ASTM D-3575
Compression Set	14.8%	ASTM D-3574
Tensile Strength	345 (kPa)	ASTM D-3575
Elongation Min.	175%	ASTM D-3575
Tear Resistance	10 lbs/in.	ASTM D-3575
Thermal Stability	Pass	ASTM D-3575
Compression Deflection (25%)	10.0-12.0 psi	ASTM D-3575
Water Absorption Max.	.05 lb/ft <sup>2</sup>	ASTM D-1667

### Engineering Standards:

GM: 6086M Type 1A

Ford: ESBM3G102A

Chrysler: MSAY3511B

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## #10-380HD

### Cross-Linked Super Duty Foam

**Description:**

Extremely light weight fine closed cell structure. Chemically cross-linked polyethylene foam provides exceptional durability and tensile strength. Ideal for applications where thicker(+19mm) grades are needed for gap or space-filling and cushioning. Cross-linked foam has good shock and impact-sound deadening properties. Inert to most chemicals with low water absorption.

Thickness Range: 1.6mm (.063") to 50mm (2").

**Typical Properties:**

		<b>Test Method</b>
Density	2.8-4.5pcf/.045-.072 g/m3	ASTM D-3575
Tensile Strength	85-145 psi/586-1000 kPa	ASTM D-3575
Elongation Minimum	195-240%	ASTM D-3575
Tear Resistance	14-27 lbs./in./2452-4728 N/M	ASTM D-3575
Compression Deflection (25%)	15-22 psi/103-152 kPa	ASTM D-3575
Water Absorption Max.	.07 lb/ft2	ASTM D-1667
Flammability	Pass	FMVSS-302

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