

## 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 reagerds to flexibility, inert to most chemicals and low water absorption. Available in white or charcoal.

**Typical Properties:**

|                               |                          |
|-------------------------------|--------------------------|
| Density:                      | 1.5 - 2.5 pcf            |
| Compression Set:              | 14.8%                    |
| Tensile Strength:             | 345 (kPa)                |
| Elongation Min.:              | 175%                     |
| Tear Resistance:              | 10 lbs./in.              |
| Thermal Stability:            | Pass                     |
| Elongation:                   | 150%                     |
| Compression Deflection (25%): | 10.0 - 12.0 psi          |
| Water Absorption Max.:        | .05 lb./ft. <sup>3</sup> |
| Flammability:                 | Pass (.250 or Thicker)   |

**OEM Standards:**

Testing may be required

Chrysler: NA

GMW: 15063 Type 5

Ford: ESA M8G53 A & ESB M25P4 A

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## 10-380HD Cross-Linked Heavy 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:

|                               |                                  |
|-------------------------------|----------------------------------|
| Density:                      | 2.9 pcf / 46.4 Kg/m <sup>3</sup> |
| Tensile Strength:             | 77 psi / 530.8 kPa               |
| Elongation:                   | 230%                             |
| Tear Strength:                | 16 lb/in                         |
| Compression Deflection (25%): | 14 psi / 96.5 kPa                |
| Compression Deflection (50%): | 24 psi / 165.4 kPa               |
| Compression Set (50%):        | 10%                              |
| Water Absorption:             | .017 lb/ft <sup>2</sup>          |
| Flammability:                 | Pass (.250" or Thicker)          |
| Service Temperature:          | -110°F to 220°F                  |

### OEM Standards:

Chrysler: MS-AY-551-S

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## 10-800SD 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 filler and cushioning. Good shock and impact-sound deadening properties. Inert to most chemicals with low water absorption.

### Typical Properties:

|                               |                         |
|-------------------------------|-------------------------|
| Density :                     | 5.2 pcf.                |
| Tensile Strength:             | 157 psi.                |
| Elongation:                   | 257%                    |
| Tear Strength:                | 34 lbs./in.             |
| Compression Deflection (25%): | 50 psi.                 |
| Water Absorption:             | .05 lb./ft <sup>2</sup> |
| Color:                        | Black/Gray/Charcoal     |
| Flammability:                 | Pass (.250" or Thicker) |
| Service Temperature           | -110°F to 220°F         |

### OEM Standards:

Testing may be required

Ford: ESB M4D463 A & ESB M25P4 A

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