Raw Materials
Plastics

MULTI-PURPOSE

Acetal

UHMW Polyethylene

HDPE

Nylon 6/6

ABS

PVC

Polypropylene

SPECS MET HB

SPECS MET V-2 V-O

SPECS MET HB

SPECS MET HB

SPECS MET HB

SPECS MET HB

CLEAR

HIGH TEMPERATURE

Cast Acrylic

Polycarbonate

PTFE

ePTFE

Polymide

SPECS MET HB

SPECS MET HB

SPECS MET HB

SPECS MET HB

SPECS MET HB

Key

FDA
For use with food and beverage

Fire Retardant
Meets UL flame extinguishing specifications to prevent the spread of fire.

HB
V-2
V-O
### Neoprene
- **Usage**: Multipurpose
- **Durometer (Hardness)**: 40A / 50A / 60A / 70A
- **Tensile Strength (PSI)**: 1000 / 1500 / 2500
- **Grade**

### Silicone
- **Usage**: High Temperatures
- **Durometer (Hardness)**: 40A / 50A / 60A / 70A
- **Tensile Strength (PSI)**: 700 / 1000 / 1200
- **Grade**

### Buna-N
- **Usage**: Oils
- **Durometer (Hardness)**: 40A / 50A / 60A / 70A
- **Tensile Strength (PSI)**: 1000 / 1500 / 2500
- **Grade**

### EPDM
- **Usage**: Weather
- **Durometer (Hardness)**: 40A / 50A / 60A / 70A
- **Tensile Strength (PSI)**: 1000 / 1800
- **Grade**

### Viton
- **Usage**: Chemicals
- **Durometer (Hardness)**: 75A
- **Tensile Strength (PSI)**: 1000 / 1500

### Polyurethane
- **Usage**: Wear Resistance
- **Durometer (Hardness)**: 60A
- **Tensile Strength (PSI)**: 3000

### SBR
- **Usage**: Abrasion Resistance
- **Durometer (Hardness)**: 60A / 75A
- **Tensile Strength (PSI)**: 400 / 800 / 1000

### Natural Rubber
- **Usage**: Elastic
- **Durometer (Hardness)**: 40A
- **Tensile Strength (PSI)**: 3000

### Key
- **Grades**
  - **Food**: Made of FDA materials for use with food and beverage
  - **Fabric Reinforced**: Fabric insert increases resistance to high stress and flex
  - **Non-Slip**: Crisscross texture provides a nonslip gripping surface
**Sealing & Gasketing**

**Neoprene**
- **Usage:** Multipurpose
- **Firmness:**
  - Soft (3–8 psi)
  - Medium (9–13 psi)
  - Firm (14+ psi)
- **Cell Type:**
  - Closed Cell
  - Open Cell
- **Grades:**
  - Fire Retardant
  - Extended Life
  - Food Grade
  - Black
  - Antistatic
  - Memory

**Silicone**
- **Usage:** High Temperatures
- **Firmness:**
  - Soft (3–8 psi)
  - Medium (9–13 psi)
  - Firm (14+ psi)
- **Cell Type:**
  - Closed Cell
  - Open Cell
- **Grades:**
  - Fire Retardant
  - Extended Life
  - Food Grade
  - Black
  - Antistatic
  - Memory

**Buna-N**
- **Usage:** Oils
- **Firmness:**
  - Soft (3–8 psi)
  - Medium (9–13 psi)
  - Firm (14+ psi)
- **Cell Type:**
  - Closed Cell
  - Open Cell
- **Grades:**
  - Fire Retardant
  - Extended Life
  - Food Grade
  - Black
  - Antistatic
  - Memory

**EPDM**
- **Usage:** Weather
- **Firmness:**
  - Soft (3–8 psi)
  - Medium (9–13 psi)
  - Firm (14+ psi)
- **Cell Type:**
  - Closed Cell
  - Open Cell
- **Grades:**
  - Fire Retardant
  - Extended Life
  - Food Grade
  - Black
  - Antistatic
  - Memory

**Viton**
- **Usage:** Chemicals
- **Firmness:**
  - Soft (3–8 psi)
  - Medium (9–13 psi)
  - Firm (14+ psi)
- **Cell Type:**
  - Closed Cell
  - Open Cell
- **Grades:**
  - Fire Retardant
  - Extended Life
  - Food Grade
  - Black
  - Antistatic
  - Memory

**Cushioning & Insulating**

**Polyurethane**
- **Firmness:**
  - Soft (3–8 psi)
  - Medium (9–13 psi)
  - Firm (14+ psi)
- **Cell Type:**
  - Closed Cell
  - Open Cell
- **Grades:**
  - Fire Retardant
  - Extended Life
  - Food Grade
  - Black
  - Antistatic
  - Memory

**Polyethylene**
- **Firmness:**
  - Soft (3–8 psi)
  - Medium (9–13 psi)
  - Firm (14+ psi)
- **Cell Type:**
  - Closed Cell
  - Open Cell
- **Grades:**
  - Fire Retardant
  - Extended Life
  - Food Grade
  - Black
  - Antistatic
  - Memory

**EVA**
- **Firmness:**
  - Soft (3–8 psi)
  - Medium (9–13 psi)
  - Firm (14+ psi)
- **Cell Type:**
  - Closed Cell
  - Open Cell
- **Grades:**
  - Fire Retardant
  - Extended Life
  - Food Grade
  - Black
  - Antistatic
  - Memory

**Key**

- **Firmness**
  - Soft (3–8 psi): easier to compress for sealing at low pressures
  - Medium (9–13 psi): better suited for abrasion and higher pressures
  - Firm (14+ psi)

- **Cell Type**
  - Closed Cell: prevents liquids and gases from passing through
  - Open Cell: allows liquids and gases to pass through

- **Grades**
  - Fire Retardant: meets UL 94 specification to prevent the spread of fire
  - Extended Life: bounces back to shape even after extended compression
  - Food Grade: made of FDA materials for use with food and beverage
  - Black: colored black to blend in with equipment and machinery
  - Antistatic: conducts static electricity a way to protect sensitive equipment
  - Memory: excellent shock absorbing and vibration isolating properties
  - Reticulated: porous structure for use in filtering applications
Composites

**GAROLITE**

- **Glass-Based**
  - Grades: G10, G11, G7, G9

- **Cotton-Based**
  - Grades: C6, C7

- **Paper-Based**
  - Grades: P6, P7

**CARBON FIBER**

- **Unidirectional**

- **Woven**

**MEDIUM DENSITY FIBER BOARD**

- **Standard**

- **Fire Retardant**

- **Moisture Resistant**
Felt

F1 Felt
- Vibration Absorption: High
- Abrasion Resistance: Excellent

F3 Felt
- Vibration Absorption: High
- Abrasion Resistance: Excellent

F5 Felt
- Vibration Absorption: Medium
- Abrasion Resistance: Good

F13 Felt
- Vibration Absorption: Low
- Abrasion Resistance: Fair