

# ETHYLENE-VINYL ACETATE (EVA)

## TECHNICAL DATA SHEET

| Physical Properties  | Testing Method         | Results                              | Unit               | Results                              | Unit              |
|--|------------------------|--------------------------------------|--------------------|--------------------------------------|-------------------|
| Density—nominal  | ASTM D3575             | 2,00                                 | lb/ft <sup>3</sup> | 32,04                                | kg/m <sup>3</sup> |
| Density—range  | ASTM D3575             | 1,78—2,44                            |                    | 28,59—39,12                          |                   |
| Tensile Strength   | ASTM D412              | 39,60                                | psi                | 273,03                               | kPa               |
| Elongation at Break  | ASTM D412              | 385,00                               | %                  | 385,00                               | %                 |
| Tear Resistance  | ASTM D624              | 8,20                                 | lb/in              | 146,44                               | kg/m              |
| Hardness Shore OO  | ASTM D2240             | 44,10                                | Shore OO           | 44,10                                | Shore OO          |
| Working Temperature Range  | Internal Test          | -40 à 212                            | °F                 | -40 à 100                            | °C                |
| Water Absorption (7 days)  | Internal Test          | Pending                              | % Vol. (max)       | Pending                              | % Vol. (max)      |
| Flammability   | FMVSS 302              | Pas                                  | -                  | Pas                                  | -                 |
| Thermal Conductivity at 500°F  | ASTM C177              | Pending                              | W/mK               | Pending                              | W/mK              |
| Thermal Stability (24h at 158°F)   | ASTM D3575             | Pending                              | % of change        | Pending                              | % of change       |
| <b>Compressive Stress</b>  |                        |                                      |                    |                                      |                   |
| Compression Set<br>25% 1/2 hour<br>25% 24 hours<br>50% 1/2 hour<br>50% 24 hours  | ASTM D3575<br>Suffix B | Pending<br>Pending<br>39,87<br>13,10 | %                  | Pending<br>Pending<br>39,87<br>13,10 | %                 |
| Compressive Strength<br>10%<br>25%<br>40%<br>50%   | ASTM D3575<br>Suffix D | Pending<br>5,00<br>Pending<br>12,10  | psi                | Pending<br>34,47<br>Pending<br>82,74 | kPa               |
| This product is a closed cell chemically "cross-linked" polyethylene foam in bun form.<br>MSDS sheets available on demand.<br>Standard colors or Gray and Black. |                        |                                      |                    |                                      |                   |

### AVAILABLE SIZES

6 ft x 4 pi x 3 in (1829 mm x 1219 mm x 76 mm)

6 ft x 4 pi x 4 in (1829 mm x 1219 mm x 102 mm)

### ISO 9001:2015

Certified quality management system ISO 9001:2015

Polyform has been a leader in the plastics industry for over 50 years. The company has developed a great expertise in working with various raw materials. To learn more about technical data or other available materials, do not hesitate to contact your representative or our team at : [sales@polyform.com](mailto:sales@polyform.com).

