Foam N' More
FOAM FABRICATORS - SINCE 1980

FOAM N' MORE
1177 W MAPLE RD
CLAWSON MI 48017

Phone: 248.284.0002
Email: sales@foamforyou.com
Website: www.foamforyou.com

# Product Information Sheet

Name: Volara Foam

**Description:** Irradiated cross-linked polyethylene foam (Volara) without adhesive backing

| Physical Properties | | Test Method | Imperial Units | Values | Metric Units | Values |
|---|---|---|---|---|---|---|
| Density-Nominal | | ASTM 3575 | $lb/ft^3$ | 2 | $kg/m^3$ | 32 |
| Tensile Strength | MD | ASTM 3575 | PSI | 44 | kPa | 303 |
| Tensile Strength | TD | | | 40 | | 276 |
| Elongation at Break | MD | | % | 163 | % | 165 |
| Elongation at Break | TD | | | 172 | | 172 |
| Tear Strength | MD | | lb/in | 12.0 | g/m | 214 |
| Tear Strength | TD | | | 13.5 | | 240 |
| Compression Deflection | 25% | ASTM 3575 | PSI | 5 | kPa | 34 |
| | 50% | | | 14 | | 97 |
| Compression Set | 25% 24hr | ASTM 3575 | % | 7 | % | 7 |
| | 50% 24hr | | | 25 | | 25 |
| Working Temperature Range | | Internal | °F | -76/194 | °C | -60/90 |
| Water Absorption 24 (hrs) | | Internal | % Vol (max) | 1 | % Vol (max) | 1 |
| Thermal Conductivity @ 50°F (10°C) | | ASTM C177 | $Btu\text{-}in/hr./ft^2/°F$ | 0.26 | W/mK | 0.038 |
| Thermal Conductivity @ 104°F (40°C) | | | | 0.29 | | 0.042 |
| Hardness Shore 00 Scale | | ASTM 2240 | Shore-00 | 56 | Shore-00 | 56 |
| Flammability >0.25" | | FMVSS 302 | 4"/min | PASS | 100mm/min | PASS |
| Thermal Stability 24 HRS @ 158°F (70°C) | | ASTM 3575 | % | <2 | % | <2 |

**Description:** Volara with adhesive backing

| Physical Properties | Values |
|---|---|
| Foam Density | 2 $lb/ft^3$ |
| Tensile Strength | 0.35Mpa |
| Elongation at break | 150% |
| Peel Adhesion 90° | 12.25N/25mm |
| Holding | ≥ 24 hours |
| Tack Ball # | 10 |
| Adhesive | Solvent acrylic |
| Release Liner | $80g/m^2$ |
| Coat Weight | $73g/m^2$ |

Data represents typical values measured on 0.4" thick specimen and should be considered as a guideline only. Metric data is covered from the imperial results measured by testing according to ASTM standards. The information on the products discussed above is presented to the best of our knowledge.

All data and technical information are based on results achieved under typical application conditions. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer.