

ACS THERMAL PAD



TECHNICAL DATA SHEET

DESCRIPTION

The ACS THERMAL PAD is a high-density polyisocyanurate thermal insulation pad. It is composed of a closed-cell core structure placed between two polymer coated glass fibre facings.

The pad is utilized as a component of the ACS THERMAL CLIP: **ACS A-Clip®** | **ACS S-Clip®** | **ACS U-Clip™**

PROPERTIES

The ACS THERMAL PAD meets the requirements of ASTM C 1289, Type II, Class 4, Grade 1 and CAN/ULC S704.1 Type 4, Class 3.

| Properties | Standards | Performance |
|---|-------------|--|
| Thermal Resistance RSI (R-Value) / 12.7mm [1/2"] @ 24°C [75°F] | ASTM C 518 | 0.44 RSI (R-2.5) |
| Compressive Strength | ASTM D 1621 | 693 kPa (100 psi) |
| Density | ASTM D 1622 | 68kg/m ³ (4.2lb/pi ³) |
| Linear Dimensional Stability | ASTM D 2126 | < 0.5% linear change |
| Water Absorption | ASTM C 209 | < 3% |
| Flame Spread ¹ | ASTM E 84 | 40 - 60 |
| Tensile Strength | ASTM D 1623 | > 35kPA (> 730 lb/ft ²) |
| Mold Growth Resistance | ASTM D 3273 | Pass |

¹ Results determined in accordance with the ASTM E 84 Standard are not intended to indicate the hazards generated by this material, nor any other, in real fire conditions. All values are nominal.

PACKAGING

| Specifications | | ACS Thermal Pad |
|----------------|--------------|--------------------------------|
| Dimensions | Thickness | 12.7mm [1/2"] |
| | Width/Length | 38.1mm x 101.6mm [1 1/2" x 4"] |
| Surface | | Polymer coated glass fibres |

INSTALLATION

Adhere the ACS THERMAL PAD to the **ACS A-Clip®**, **ACS S-Clip®** or **ACS U-Clip™** using the adhesive tape provided.

STORAGE AND HANDLING

To ensure performance of the adhesive tape, it is recommended that storage temperatures remain at: -30°C to 40°C
[-22°F to 104°F]