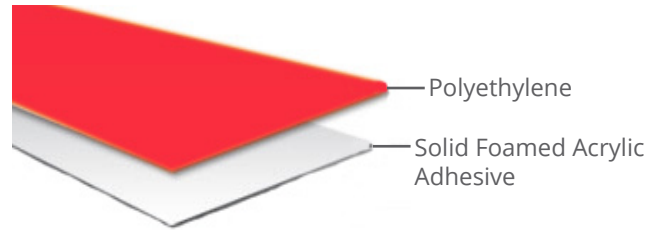


S3011 Technical Data

Double Sided 1.1mmTH Permanent High Bond Acrylic Tape



Product Composition



| | |
|----------|----------------------------|
| Liner | Red Polyethylene Film |
| Adhesive | White Solid Foamed Acrylic |

Benefits / Features

| | |
|----------------------------------|--|
| High initial tack | Bonds to higher energy substrates including metal, glass & plastic |
| Excellent weather U.V resistance | Long life application |
| Permanent final adhesion | |

Areas of Use

Ideal for double glazing, back lit signs, refrigeration display units & electrical cabinet windows

Applicable Industries

Building, Plastic, Manufacturing & Engineering industries

| Product Features | Applicability On | | | | |
|---|---|--------------------------------|---------------------------------------|--------------------------------|--------------------|
| Initial adhesion | <table border="0"> <tr> <td>● ○ ○</td> <td>Foam</td> <td>● ○ ○</td> </tr> </table> | ● ○ ○ | Foam | ● ○ ○ | |
| ● ○ ○ | Foam | ● ○ ○ | | | |
| Final adhesion | <table border="0"> <tr> <td>● ● ●</td> <td>Rubber</td> <td>● ○ ○</td> </tr> </table> | ● ● ● | Rubber | ● ○ ○ | |
| ● ● ● | Rubber | ● ○ ○ | | | |
| Dimensional stability | <table border="0"> <tr> <td>● ○ ○</td> <td>Fabric</td> <td>○ ○ ○</td> </tr> </table> | ● ○ ○ | Fabric | ○ ○ ○ | |
| ● ○ ○ | Fabric | ○ ○ ○ | | | |
| Adhesion on even surfaces | <table border="0"> <tr> <td>● ● ●</td> <td>Glass/Ceramics</td> <td>● ● ●</td> </tr> </table> | ● ● ● | Glass/Ceramics | ● ● ● | |
| ● ● ● | Glass/Ceramics | ● ● ● | | | |
| Adhesion on rough surfaces | <table border="0"> <tr> <td>● ○ ○</td> <td>Finished Timber</td> <td>● ● ○</td> </tr> </table> | ● ○ ○ | Finished Timber | ● ● ○ | |
| ● ○ ○ | Finished Timber | ● ● ○ | | | |
| Ageing resistance | <table border="0"> <tr> <td>● ● ●</td> <td>High energy plastics: PVC, PC, ABS,..</td> <td>● ● ●</td> </tr> </table> | ● ● ● | High energy plastics: PVC, PC, ABS,.. | ● ● ● | |
| ● ● ● | High energy plastics: PVC, PC, ABS,.. | ● ● ● | | | |
| Weathering resistance | <table border="0"> <tr> <td>● ● ●</td> <td>Low energy plastics: PE, PP</td> <td>● ○ ○</td> </tr> </table> | ● ● ● | Low energy plastics: PE, PP | ● ○ ○ | |
| ● ● ● | Low energy plastics: PE, PP | ● ○ ○ | | | |
| Chemical resistance | <table border="0"> <tr> <td>● ● ●</td> <td>Metal</td> <td>● ● ●</td> </tr> </table> | ● ● ● | Metal | ● ● ● | |
| ● ● ● | Metal | ● ● ● | | | |
| Resistance to plasticizers | <table border="0"> <tr> <td>● ● ○</td> <td>Paper/Cardboard</td> <td>● ○ ○</td> </tr> </table> | ● ● ○ | Paper/Cardboard | ● ○ ○ | |
| ● ● ○ | Paper/Cardboard | ● ○ ○ | | | |
| <table border="0"> <tr> <td>● ● ● Very suitable</td> <td>● ● ○ Suitable</td> <td>● ○ ○ Suitable with reductions</td> <td>○ ○ ○ Not suitable</td> </tr> </table> | | ● ● ● Very suitable | ● ● ○ Suitable | ● ○ ○ Suitable with reductions | ○ ○ ○ Not suitable |
| ● ● ● Very suitable | ● ● ○ Suitable | ● ○ ○ Suitable with reductions | ○ ○ ○ Not suitable | | |

| | |
|--------------------------------------|--|
| Temperature Range (°C) | -20 to +180 |
| Static Shear Strength | > 200 Hours |
| Adhesion to Stainless Steel (N/25mm) | 65 After 20 Minutes 95 After 70 Hours |
| Thickness (mm) | 1.1 (1100 Microns) |
| Standard Sizes Available | 12mm x 33m 18mm x 33m 24mm x 33m |
| | Custom sizes available on request |

The figures above are based off average results from multiple tests, results may vary + or - 5%

Conditions of Use

For best results apply self adhesive tapes between 15°C and 25°C in a dry environment. Application surfaces must be dry and free from dust and particles. Do not apply on surfaces treated or contaminated by anti-adhesives. Do not use paint containing additives which could reduce the adhesive properties. Avoid contact with surfaces containing plasticizers or other chemical agents not compatible with the tape. In cases of rough or irregular surfaces, it is better to use a tape with a higher quantity of adhesive. Care must be taken with reference to removability without residue and working conditions of the self adhesive tape.

Tape Storage

Ideally store tape between 15°C and 25°C with a maximum relative humidity of 65%. Always store away from heat sources, avoiding exposure to light and if possible keep in the original packaging. When temperatures are lower than 15°C it is highly recommended to recondition the adhesive tape to normal temperatures (15°C to 25°C) before use.

Tape Shelf Life

Self-adhesive tapes technical features are generally not permanent but remain at their best for approximately 12 months, if stored according to suggested conditions and by avoiding extreme environmental conditions such as quick and sudden temperature changes, exposure to UV light and high levels of humidity.

All test methods are based on ASTM standards and Pomona's standardised test methods. The information provided above is based on our experience and tape industry knowledge. It is given in good will but is not intended as a guarantee or a warranty. All end users should ensure for themselves that the product is suitable for their own particular application before using. NB: Peak Force Test: based on ASTM 3759/D ASTM 3759/M and Pomona® test methods, Peel Test: based on ASTM D3330 and Pomona® test methods.