

Schlegel Weather Seal Range



Technical Data Sheet

Product = HM – HOTMELT POLYBOND BRUSH PILE

Material / Components

1) CP50.06870 , CP50.06871 & CP50.6872

Backing mat'l : 100% polypropylene natural
Pile mat'l : textured polypropylene multifilament yarn
Siliconized and UV-stabilised
Trilobal cross section
Colour: TBA
Coating: polypropylene resin
Film: 100% polypropylene 70 micron, UV-stabilised

2) Thermal Values of Pile Weather-strip

Pile weather-strip manufactured by Schlegel Limited is 100% homopolymer polypropylene.

We can only advise a general estimate of the value of the raw material, which is:-

0.95 Btu-in/ft² Hr°F or 0.12W/mKelvin .

This value is based on the density of polypropylene being 0.905gms/cm³ - the actual measured density of polypropylene pile weather-strip is in the range of

0.3gms/cm³ to 0.4gms/cm³ - therefore we would expect the thermal value of pile weather-strip to be better than the stated value of the polypropylene

3) HS11.06774

Backing, pile material and coating: item as above
Adhesive: pressure sensitive hot melt

Relative Documentation

prEN12365-1 requirements definitions & classification
prEN12365-2 closing force test method
prEN12365-3 deflection recovery
prEN12365-4 long term recovery

4) Adhesive backing

Pressure sensitive hot melt
Shear adhesion (1kg @ 23oC) Greater than 100hours

5) Surface Preparation

Ensure surface to adhere to is clean, dry and free from contaminants such as oil products or silicones
Surface may be cleaned with a solvent cleaner such as ISOPROPANOL (subject to surface suitability)
which should be fully dispersed before final application

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6) Fitting Instruction

Peel backs protective release tape and apply Pile Seal top the desired position, Apply nominal pressure by hand or application roller to ensure full contact to the surface.

Application temp range +5 to +25oC

Service Temperature –15 to +75oC

Full adhesive strength achieved after 24hours, load free curing

7) Storage and Shelf life

Store in clean and dry conditions at room temperature – nominally above 10oC

Shelf life 12 months from production date in original, closed packaging protected from any contaminants

8) Packaging Specification

Standard Card packing; 2 Coils per box; Nominal

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