

Schlegel Weather Seal Range



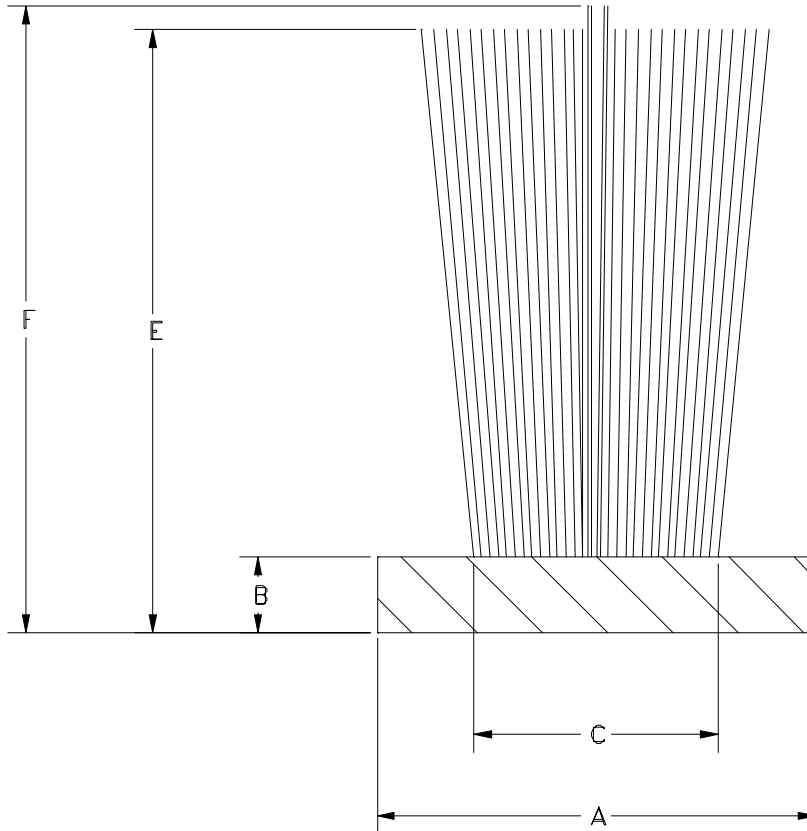
Technical Data Sheet

Product = PB-??-??- No Fin, FP, Cut Fin, Hi Fin

For specific part details and tolerance please contact our technical department

Testing undertaken to ISO 9001/2000; BSI Registration FM15052 (since 29/07/1992)

Drawing Detail



DIMENSIONAL SPECIFICATIONS & TOLERANCES

Description	Nominal(mm)	Tolerances (mm)
A = Base width	4.8 – 6.7 – 6.9	+ 0,05 / -0,20
B = Backing thickness	0,8	± 0,15
C = Pile base width	1,90	+0,20 / -0,30
D =		
E = Pile height	3.5 - ~	+ 0,36 / - 0,225
F = Fin height	Pile height + 0.25	± 0,20

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MATERIAL SPECIFICATIONS:

Raw Material	POLYPROPYLENE
Fin	Polypropylene 100%
Pile Properties	4 x 1200 Den/75F/R.S. Grey
Warp Yarn	400/75/80 Natural
Filling Yarn	320/75/100 Natural
Picks x inch :	29 ppi
Water Repellency :	YES
U.V Stabilised :	YES

1) Material Spec summary 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) Packaging Specification

Standard Card packing; 2 Coils per box; Nominal

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GENERAL INFORMATION: Schlegel is the world's leading manufacturer of quality pile weatherseals. Pile weatherseals are closely woven textile yarns interlaced into a backing. They prevent the infiltration of dust, light, noise and air through the perimeter on a closed window or door.

TYPICAL APPLICATIONS :

- *Sliding windows and doors.
- *Shutter guide rails.
- *Sliding wardrobe doors.
- *Swing doors.
- *Door bottom seal.
- *Showcases etc.

Pile weatherseal



FIN-SEAL weatherseal



AVAILABLE TYPES:

- PB: Standard pile without fin.
- FP: Pile with FIN-SEAL - for high air and water performance. Fin is 0.25mm above the pile.
- HF: Pile with HIGH-FIN - as FP, for reducing break-off force of sliding elements. Fin 2.5mm +/- 0.5mm above the pile.
- ZF: Pile with a Z shaped Fin - for increased crush resilience.

MATERIAL: Pile, base and fin - polypropylene, non-aging. Pile is silicone treated, water repellent.

Various sizes are available - please contact Schlegel Customer Services directly for advise.

TO ORDER	Backing material = 'POLYBOND'	Backing width 4.8 or 6.9mm	Pile height 4 - 8.5mm	Pile density or fin type
Example	PB	48	450	3P

Pile Height	Standard PB 48	Standard PB 69	Finpile PB 48/69	Hi-Fin PB 48/69	Z-Fin PB 48/69
4	400 – 3P	400 – 4P	400 FP	400 HIFIN	400 ZFIN
4.5	450 – 3P	450 – 4P	450 FP	450 HIFIN	450 ZFIN
5	500 – 3P	500 – 4P	500 FP	500 HIFIN	500 ZFIN
5.5	550 – 3P	550 – 4P	550 FP	550 HIFIN	550 ZFIN
6	600 – 3P	600 – 4P	600 FP	600 HIFIN	600 ZFIN
6.5	650 – 3P	650 – 4P	650 FP	650 HIFIN	650 ZFIN
7	700 – 3P	700 – 4P	700 FP	700 HIFIN	700 ZFIN
7.5	750 – 3P	750 – 4P	750 FP	750 HIFIN	750 ZFIN
8	800 – 3P	800 – 4P	800 FP	800 HIFIN	800 ZFIN
8.5	850 – 3P	850 – 4P	850 FP	850 HIFIN	850 ZFIN

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