

Polypropylene-Scrim-Kraft(PSK) PSK-351A

Product Application

Polypropylene-Scrim-Kraft or PSK Facing insulation is a flame retardant, vapor-barrier, and is one of the most commonly used facings in the insulation industry today. A PSK insulation facing is made of white PP film that is layered against a fiberglass scrim and then paired with a final layer of natural brown kraft paper. This is then all laminated together using a flame-retardant adhesive.

PSK insulation is most commonly utilized with duct wrap, duct board, and mechanical spin-glass boards, glasswool blanket on the outward-facing, exposed surfaces of HVAC ductwork, but is also used in batts for exterior walls, and ceilings.

Facing Composition

Facing Composition	Description	Value(English)	Value(Metric)
Foil	Polypropylene	1.2 mil	30 micron
Reinforcing - MD	Fiberglass	4 /inch	16 /100mm
Reinforcing - XD	Fiberglass	4 /inch	16 /10mm
Adhesive	Glue	-----	-----
Kraft	Natural	30 lbs/3000 ft2	55gsm

Typical Physical Properties

Physical Properties	Test Method	Value(English)	Value(Metric)
Basis Weight	Scale	17.4 lbs/ 1000ft2	85 gsm
Permeance (WVTR)	ASTM E96,Procedure A	0.02 perm	1.15 ng/N.s
Tensile Strength - MD	ASTM D828	36.4 lbs/lb	160 N/25mm
Tensile Strength - XD	ASTM D828	23.9 lbs/lb	105 N/25mm
Burst Strength	ASTM D774	94.3 psi	65 N/cm2
Low Temperature Resistance	ASTM D1790 4hrs @-40°F(-40°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	ASTM D1790 4hrs @+240°F(+116°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Dimensional Stability	ASTM D1204@°150F(65°C)	Less than 0.5%	Less than 0.5%
Light Reflectance	ASTM C523	85%	85%

Available Roll Width: 1.0m,1.2m,1.25m Available Roll Length: 50m,60m,200m,or be customized

Remarks:

1. The data above are typical values only, and should not be used for specifications purpose.
2. Tolerance: Weight and Thickness: ±10%; Width: ±3mm; Length: Log Roll: ±0.3m, Jumbo Roll ±0.5%.
3. The products should be stored at room temperature, kept away from wet and heat source.
4. The users should take test and do trial-application on the above products before coming into application so as to witness and ensure suitability for their special purpose and technique.

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Contact Donfoil for a complete list of products or a free A4 size sample