

TECHNICAL DATA

- High-strength polyurethane foam substrate is chemically compatible with all silicones tested to ASTM C1087*
- Semi-rigid foam acts as a spacer for structural glazing systems
- Exhibit high initial adhesion, speeding on-site fabrication
- Open cell urethane foam allows for optimum silicone curing
- Certified no color change or staining after independent testing*
- Resist temperature variations, fungi, oxidation and discoloring with age
- Adhere to bare metal, glass and painted surfaces
- Reduce heat transfer, improves wall performance and can support LEED points

Product Description

Pres-On SG6400 and SG6500 Series Medium Density Structural Glazing Tapes are composed of black, open cell urethane foam coated with UV resistant, pressure sensitive acrylic adhesive. SG6400 series tapes are double-coated and feature a blue polyethylene release liner for tear-free, easy removal. SG6500 series tapes are single-coated with a brown paper release liner. Both high-performance products are ideal for weatherproofing and thermal insulating.

Applications

SG6400 and SG6500 are ideal for use in many architectural glass applications including: thermal break on storm windows and doors, spacing for structural glazing systems, bonding wide joints and curtain wall construction.

STANDARD ROLL SIZE	SERIAL NUMBER	THICKNESS	LENGTH
All rolls available in widths from 3/16" to 54"	SG6412	1/8"	50'
	SG6425	1/4"	50'
	SG6437	3/8"	25'
	SG6512	1/8"	50'
	SG6525	1/4"	50'
	SG6537	3/8"	25'
ADHESION PROPERTIES	TEST	TYPICAL PERFORMANCE	TEST METHOD
	Loop Tack	60 oz/in typical	TLM1 LIB1
	Adhesion @ 72°F to the following		
	Steel, immediate	2.5 lbs/in width	PSTC-1
	Steel, after 48 hours	3.5 lbs/in width or foam tear	PSTC-1
	Aluminum, immediate	2.5 lbs/in width	PSTC-1
	Aluminum, after 48 hours	3.0 lbs/in width or foam tear	PSTC-1
	Glass, immediate	2.0 lbs/in width	PSTC-1
	Glass, after 48 hours	3 -5.0 lbs/in width or foam tear	PSTC-1
	Powder Paint, immediate	2.0 lbs/in width	PSTC-1
	Powder Pain, after 48 hours	3 -5.0 lbs/in width or foam tear	PSTC-1

SG6400 & SG6500 Series Medium Density Structural Glazing Tapes

ADHESION PROPERTIES	TEST	TYPICAL PERFORMANCE	TEST METHOD
	Static Shear @ 72°F 1 x 1 x 500 grams	indefinite	PSTC-7
	Static Shear @ 72°F 1 x 1 x 1000 grams	1000 hours minimum	PSTC-7
	Water and Humidity Resistance	excellent	Pres-On PTM-3
	Application Temperature	45°F to 120°F	Pres-On PTM-1
	Service Temperature	40°F to 180°F	Pres-On PTM-2
	Shelf Life	1 year stored at room temperature	
PHYSICAL PROPERTIES	TEST METHOD	UNIT OF MEASURE	RESULT
Density	ASTM D 3574	lb/ft ²	20
		kg/m ³	272-368
Hardness	ASTM D2240 ASTM D1056	Shore A	30
		Shore 00	78
Tensile Strength	ASTM D3574	psi kPa	150 (min) 1034 (min)
Elongation	ASTM D3574	%	120 (min)
Tear Strength	ASTM D624	lb/in	25 (min)
		kN/m	4.4 (min)
Compression Set (50%-22 hrs @ 73°F)	ASTM D1056	%	3 (max)
Compression Force Deflection 25%	ASTM D3574 ²	psi	19-25
		kPa	131-172
Compression @ 25%	ASTM D1056	psi	30-50
		kPa	207-345
Color	N/A	N/A	Black
Flammability	FMVSS-302: Pass (0.63 or Thicker) ¹		
COMPARABLE PRODUCTS			
Saint-Gobain Thermalbond [®] V2200			

Application Notes

SG6400 and SG6500 are a spacer material and not intended to be a structural component. Ensure bonding surfaces are well unified, clean, dry and free of dirt and oils. Apply firm and even pressure to improve adhesive-to-surface contact. Allow proper temperature and time to enhance bond strength as adhesive flows onto the surface.

* List of manufacturers and silicones tested available upon request. Refer to silicone manufacturer for compatibility information. Each project should be individually lab tested to confirm compatibility between Pres-On SG6400 & SG6500, structural silicone and all other adjacent materials.

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