

PRODUCT DATA SHEET SB6452

Description

SB6452 is a double side coated crosslinked acrylic based pressure sensitive tape that is designed to absorb the differing thermal expansion of two different substrates. The product has high initial tack and bond to most high-energy surfaces. The product is very conformable and therefore bonds well to uneven or textured surfaces.

Construction



Feature and Benefits

- Total thickness - 0.047" (1.2 mm)
- Density – 52 lb/ft³ (840 kg/m³)
- Light gray color
- Excellent plasticizer resistance
- Excellent solvent resistance
- Excellent UV resistance

Typical Properties (not to be used for specification purposes)

Procedure	Test Method	Value	Units	Value	Units
90° Peel Adhesion	ASTM D3330	23	lb/inch	41	N/10mm
Dynamic Shear	ASTM D-1002	85	lb/inch ²	590	kPa
Tensile Strength	ASTM D-897	85	lb/inch ²	590	kPa
Shear Strength @8.8 psi	ASTM 3654	>10000	minutes @ RT		
Shear Strength @ 4.4 psi	ASTM 3654	>10000	minutes @ 93°C		
Temperature Resistance		-40°C to 100°C	continuous	up to 160°C	short term

For maximum adhesion, bonding surfaces should be clean, dry, and free from grease and oils. The firmer the application pressure and the greater the contact area, the stronger the bond.

IMPORTANT NOTICE TO PURCHASER: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his or her intended use, and the user assumes all risk and liability whatsoever in connection therewith. No representative of ours has authority to waive or change the foregoing provisions, but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to the needs and circumstances prevailing in their business.