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Tape Made with Teflon PTFE SG05-03

Product Description

SG05-03 is a fiberglass fabric impregnated with PTFE (polytetrafluoroethylene) dispersion and coated with high-temperature, pressure-sensitive silicone adhesive

Application Information

SG05-03 is frequently used by the packaging industry as a release surface on heat sealers, blister formation and form-fill-seal equipment. The durability and anti-stick properties of SG05-03 make it an ideal material for the lining of guide rails, chutes, and slides. The high temperature capabilities and non-stick properties of SG05-03 allow it to perform as an excellent release surface in the composite aircraft industry.

Technical Properties

Property	Characteristic
Backing Material	PTFE-Coated Fiberglass Fabric
Adhesive Type	Super Stick Silicone
Total Thickness (in.)	0.0047
Backing Thickness (in)	0.003
Adhesive Thickness (in.)	0.0017
Adhesion to Steel (oz/in)	45
Elongation (% at break)	<5
Operating Temperature (F)	-100 to 500
Color	Brown

Features/ Benefits

SG05-03 is a very durable and versatile product. The combination of PTFE, fiberglass and a high temperature silicone adhesive allows SG05-03 to perform in continuous temperatures up to 500°F. SG05-03 is dimensionally stable and resistant to tears, punctures, abrasion and wear. It will not “cold flow” under heavy loads.

NOTE:

1. When applying pressure sensitive adhesive films to any surface, be sure that the surface is free from oil or other surface contaminants such as powder, dust, or release agents. Adhesive performance should be carefully checked when used on substrates containing plasticizers.
2. The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes