

Material Specification Sheet

Material Number: 18007

Description: Double Coated High Strength Acrylic Tape Low Surface Energy (LSE)- Polyester Film Carrier

Applications: 18007 is a high strength acrylic adhesive with a polyester carrier. It provides excellent adhesion to a wide variety of substrates, including foams, plastics, foil, and low energy (LSE) plastics. It has good shear holding power at elevated temperatures. This product is suitable for fabricated foam parts bonded to contour surfaces, plastic nameplates and/or graphic overlays bonded to plastics.

Product Construction:

Property	Thickness	
Adhesive	0.0028" (72 µm)	300MP Acrylic Based
Carrier	0.0005" (13 µm)	Polyester Film
Adhesive	0.0034" (87 µm)	300LSE Acrylic Based
Liner	0.0062" (157 µm)	83# Polycoated Kraft Paper

Typical Physical Properties:

Property	Material	Test Method	Value
Peel Adhesion	Stainless Steel	20 min @ RT	119 oz/in (1,300 N/m)
300 MP	Stainless Steel	72 hrs @ RT	131 oz/in (1,430 N/m)
	ABS	72 hrs @ RT	100 oz/in (1,100 N/m)
	Polypropylene	72 hrs @ RT	95 oz/in (1,040 N/m)
	Polycarbonate	72 hrs @ RT	111 oz/in (1,220 N/m)
	HDPE	72 hrs @ RT	42 oz/in (460 N/m)
	300LSE	Stainless Steel	20 min @ RT
Stainless Steel		72 hrs @ RT	141 oz/in (1,540 N/m)
ABS		72 hrs @ RT	138 oz/in (1,510 N/m)
Polypropylene		72 hrs @ RT	119 oz/in (1,290 N/m)
Polycarbonate		72 hrs @ RT	140 oz/in (1,530 N/m)
HDPE		72 hrs @ RT	60 oz/in (660 N/m)
Service Temperature	Intermittent	N/A	-40°F to 250°F (-40°C to 121°C)
Min. Application Temp.		N/A	50°F (10°C)

Peel Adhesion @ 180 ° ASTM D3330

The data, including flammability ratings, presented in this Material Specification Sheet is for reference only and reflects typical properties and characteristics obtained under controlled test conditions. FFT excludes any expressed or implied warranties of fitness for a particular application or purpose. The user has the responsibility to determine fitness for use and assumes all risk and liability for that particular application. The data reflected in this bulletin is subject to change. Please contact FFT to verify current status.