

# TOTAL PLASTICS, INC.

## TECHNICAL DATA SHEET

### FOAMFLEX # 2544

Property	Specification	Test Method
Composition	Polyethylene	
Density (pcf)	3.6 – 4.4	ASTM D3575
25% CDF (psi) / 50%	9 / 19	ASTM D3575
Shore Hardness “A” / “OO”	15 / 64	ASTM D 2240
Compression Set (%)	18	ASTM D3575
Tensile Strength (psi) (M/CM)*	123 / 78	ASTM D3575
Elongation (%) (M/CM)*	177 / 126	ASTM D3575
Tear Strength (ppi) (M/CM)*	15 / 24	ASTM D3575
Water Absorption (psf)	0.04	ASTM D 1667
Thermal Stability (%) 3 hrs no load @ 158 <sup>o</sup> F	(M)* -1.5 / (CM)* -0.7	
Flammability	Pass	FMVSS302
Thermal Conductivity $K_{\text{factor } 70^{\circ}\text{F}}$	0.3	

\*(M/CM) = Machine direction / Cross Machine direction.

REV. 006

REV. DATE: 05/09/05

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**ADHESIVE TECHNICAL DATA SHEET**

**ADHESIVE # 7**

**Type:**

Synthetic rubber based, pressure sensitive adhesive.

**Applications & Features:**

Speciality permanent adhesive with excellent adhesion to a variety of surfaces with a good balance of peel and tack.

This PSA is certified to the following automotive specifications; GM3602M, MS-AY522 Type 1, ESB-M3G76-B2 section 3.6. GM3622M Type IV,

Good adhesion to difficult substrates: Polyolefins (HDPE, LDPE, Polypropylene), Powder coated paints, and E-coated paints.

Temperature range: -30°C to + 70°C for high shear, and  
-30°C to +120°C for low shear applications.

**Typical Adhesion Properties:**

<b><u>Properties</u></b>	<b><u>Results</u></b>	<b><u>Test Methods</u></b>
180° Peel Adhesion (lbs/in)	11	PSTC-3
Loop Tack (lbs/sq.in)	10	PSTC-16
Shear Adhesion (hrs) 8.8psi @ 72°F	34	PSTC-7

**Shelf life:**

Dry adhesive: 2 years, depending on storage conditions.

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