

# 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

Total Plastics, Inc. cannot anticipate all conditions under which this information and our products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of the information or the safety and suitability of our products, either alone or in combination with other products. Unless otherwise agreed in writing, we sell the products without warranty and users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purpose.



**ADHESIVE TECHNICAL DATA SHEET**  
**ADHESIVE # 12**

**Type:**

Solvent based acrylic pressure sensitive adhesive.

**Applications & Features:**

**Tested and approved to Chrysler Specification MS-AY551**

Aggressive tack and adhesion to a variety of surfaces.

Good adhesion to difficult substrates: ABS, FRP, and Vinyl.

Good plasticizer migration.

Recommended for applications involving prolonged UV exposure.

Temperature range:     -30°C to +100°C for high shear, and  
                                  -30°C to +120°C for low shear applications.

**Properties:**

180° Peel Adhesion	
Immediate bond	580 N/m (3.3 lbs/in)
After 24 hrs	1085 N/m (6.2 lbs/in)
Loop Tack	2.6 lbs/sq.in
Shear Adhesion (30 minutes bond time)	>350 minutes

**Shelf life:**

Dry adhesive:                             2 years, depending on storage conditions.

REV. DATE 03/24/06

REV. NO.: 005