

# TOTAL PLASTICS, INC.

## TECHNICAL DATA SHEET

### FOAMFLEX # 2542

Property	Specification	Test Method
Composition	Polyethylene	
Density (pcf)	1.8 – 2.2	ASTM D3575-W
25% / 50% CDF (psi)	5.0 / 14.0	ASTM D3575-D
Shore Hardness “OO” / “A”	51 / 7	ASTM D 2240
Compression Set @ 50% (%)	28.0	ASTM D3575-B
Tensile Strength (M/CM)* (psi)	60 / 39	ASTM D3575-T
Elongation (M/CM)* (%)	124 / 88	ASTM D3575-T
Tear Strength (M/CM)* (ppi)	6 / 11	ASTM D3575-G
Water Absorption (lb/ft <sup>2</sup> )	0.04	ASTM D3575-L
Thermal Stability (%) 24 hrs @ 158 <sup>o</sup> F	(M) -2.0 / (CM) -1.0	
Thermal Conductivity K factor @ 70 <sup>o</sup> F	0.25	
Flammability	FMVSS302/ not SE	ASTM D1692
Buoyancy (pcf)	55.0 min	USCG 164.013

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

REV. 005

REV. DATE: 05/10/05

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**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