



TECHNICAL NOTE

AREMCO-BOND 526N, 631, 2315 **NASA OUTGASSING STUDY**

Following is test data developed according to ASTM E-595 for Aremco-Bond 526N, 631 and 2315 regarding outgassing of these products in a vacuum. This data is particularly useful for aerospace manufacturers that are interested in outgassing properties of materials.

Note: Aremco-Bond 631 is the base resin/catalyst used in several other filled products including Aremco-Bond 568, 614, 616, 657, and 860. It is expected that these products will offer identical outgassing properties to Aremco-Bond 631.

The column headed TML lists total mass loss at 125 °C. The column headed CVCM lists the collected volatile condensable (at 25 °C) materials. Generally, a TML of 1.0 percent or less and a CVCM of 0.10% or less is desired for spacecrafts. The proper mix ratios should be used in order to rely on this data.

Product	TML	CVCM	Curing Conditions	
			Time	T (°C)
Aremco-Bond 526N	0.49	0.00	2 Hr	93
			16 Hr	204
Aremco-Bond 631	0.75	0.35	7 Day	25
Aremco-Bond 2315	< 1.0	< 0.10	2 Hr	71
			2 Hr	149