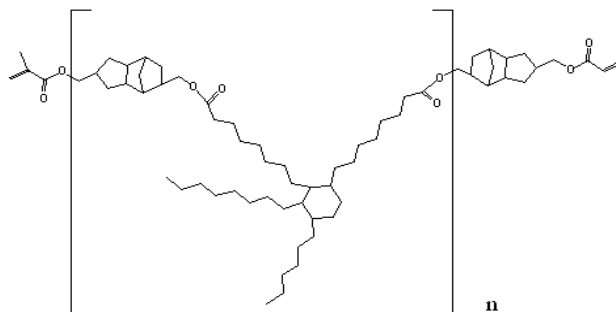


TECH DATA SHEET

PEAM-1044



Where n = 1 - 5



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DESCRIPTION

PEAM-1044 is a polyester acrylate/methacrylate that exhibits excellent adhesion, low warpage, and hydrophobicity. The oligomer has very high thermal stability and low volatility. It can be used as a base resin in a formulation or an additive.

HIGHLIGHTS

- Low warpage
- Hydrophobic
- High adhesion to various substrates
- Thermal stability

SUGGESTED APPLICATIONS

- Adhesives for all substrates
- Low warpage
- High thermal stability

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Viscosity @ 25°C (typical)	Haake Rheometer	4500 cps
Appearance		Amber Liquid
Functionality		2
Molecular Weight		1044
Weight Loss @ 300°C	TGA	< 3.0%
Decomposition Temperature	TGA	> 375°C
Recommended Storage Temp		10°C or below

PHYSIOCHEMICAL

Glass Transition Temperature	TMA	-25°C
Cured with 2% Dicumyl Peroxide	DMA	24°C
Coefficient of Thermal Expansion		
Cured with 2% Dicumyl Peroxide	TMA	
		α_1 93 ppm/°C
		α_2 225 ppm/°C
Dynamic Tensile Modulus		
Cured with 2% Dicumyl Peroxide		
		-65°C 2600 MPa
	Rheometrics	25°C 55 MPa
	Rheometer	150°C 15 MPa

*Data is for reference only and may vary depending on testing method used.
The above structure is an idealized representation of a statistical distribution.*

RECOMMENDED FORMULATION USE:

The **PEAM-1044** is recommended for use as a base resin. It has excellent adhesion with low stress due to its high T_g DCPD units. The oligomer has good solubility in both aliphatic and aromatic resins. Exceptionally low warpage can be achieved with the addition of polybutadiene type resins.

CONTACT:

REQUEST A SAMPLE

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