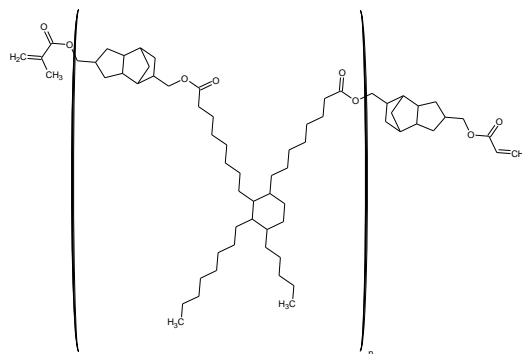


TECH DATA SHEET

PEAM-1044



Where n = 1 to 5

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

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	METHOD	RESULT
Appearance at Room Temperature	Visual	Amber liquid
Viscosity @ 25°C (typical)	Haake Rheometer	4,500 cP
Functionality		2
Molecular Weight		1044 daltons
Weight Loss @ 300°C	TGA	< 3.0%
Decomposition Temperature	TGA	> 375°C
Recommended Storage Temp		10°C or below
PHYSIOCHEMICAL		
Glass Transition Temperature cured with 2% Dicumyl Peroxide	TMA	-25°C
	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	Rheometrics Rheometer	-65°C
		25°C
		150°C
		2,600 MPa
		55 MPa
		15 MPa

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

RECOMMENDED FORMULATION USE:

PEAM-1044 is recommended for use as a base resin. It has excellent adhesion with low stress due to its high Tg 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 OR PLACE AN ORDER

Customer Support

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