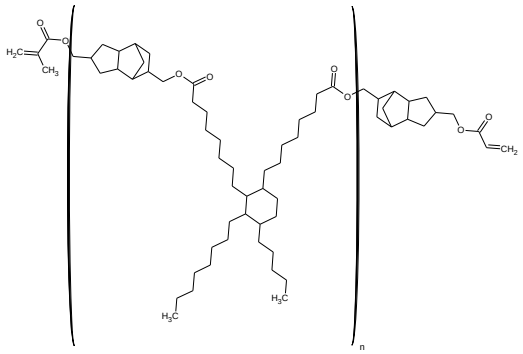
TECH DATA SHEET

PEAM-1769



Where n = 1 to 5

DESCRIPTION

PEAM-1769 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 oligomer in a formulation or an additive.

HIGHLIGHTS

- Ultra low modulus
- Hydrophobic
- High adhesion to various substrates
- Thermal stability
- Adhesion to metals
- Flexibilizer

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	METHOD	RESULT
Appearance at Room Temperature	Visual	Amber liquid
Viscosity @ 25°C (typical)	Haake Rheometer	20,000 cP
Functionality		2
Molecular Weight		1769 daltons
Weight Loss @ 300°C	TGA	< 3.0%
Decomposition Temperature	TGA	> 375°C
Recommended Storage Temp		10°C or below
PHYSIOCHEMICAL (POSTCURE)		
Glass Transition Temperature cured with 2% Dicumyl Peroxide	TMA DMA	-40°C -10°C
Coefficient of Thermal Expansion cured with 2% Dicumyl Peroxide	TMA	$\propto_1$ 110 ppm/°C $\propto_2$ 250 ppm/°C
Dynamic Tensile Modulus Cured with 2% Dicumyl Peroxide -65°C 25°C 150°C	Rheometrics Rheometer	 1,300 MPa 48 MPa 1 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-1769 is recommended for use as a base resin or an additive to reduce stress. It has excellent adhesion on most substrates with low stress and low shrinkage due to its high Tg polycyclic repeat units. The oligomer has good solubility in both aliphatic and aromatic solvents and monomers.

CONTACT:

REQUEST A SAMPLE OR PLACE AN ORDER

Customer Support
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