

HIGH Tg PULTRUSION EPOXY – A-30400/B-29000

Description:	High Tg Pultrusion Epoxy is a two-component epoxy system. This high-quality thermoset is designed for pultrusion, filament winding and RTM applications. It has low viscosity and fast property development at elevated temperatures. A long pot life allows for preheating to get lower viscosity and better fiber impregnation. High Tg Pultrusion Epoxy has proprietary release properties integrated for improved performance during Pultrusion.		
Handling Properties:	RESIN VISCOSITY, cP RESIN DENSITY, lb./gal HARDENER VISCOSITY, cP HARDENER DENSITY, lb./gal COLOR DENSITY, lb./gal MIX RATIO, pbv (pbw) MIXED VISCOSITY, cP GEL TIME (30g @320°F), min WORKING TIME*, hours *The working time varies according to the temper Note: Above viscosities/densities measured @ 77		ASTM D 2196 ASTM D 792 ASTM D 2196 ASTM D 792 ASTM D 792 ASTM D 2196 ASTM D 2471 he surface to which it is applied.
Physical Properties:	TENSILE STRENGTH, psi TENSILE MODULUS, psi ELONGATION @ BREAK, % COMPRESSIVE STRENGTH, psi COMPRESSIVE MODULUS, psi FLEXURAL STRENGTH, psi HARDNESS, Shore D Cure Cycle: 2 hours @ 185°F + 3 hours @30 fiber reinforcement).	5,700 119,000 1.00 14,300 245,000 14,400 90 0°F. Test specimens for above	ASTM D 638 ASTM D 638 ASTM D 638 ASTM D 695 ASTM D 695 ASTM D 790 ASTM D 2240
Thermal Properties:	Heat Deflection Temperature, °F (°C) Tg DSC Ultimate, °F (°C) Cure Cycle: 2 hours @ 185°F + 3 hours @ 300°F.	258 (125.8) 272 (133.2)	ASTM D 648 ASTM D 3418

The storage temperature of High Tg Pultrusion Epoxy will greatly affect the ease of mixing, application and curing time. For best results, High Tg Pultrusion Epoxy should be stored at 60-80°F (16-27°C) for at least 24 hours before use. The resin and hardener need to be thoroughly blended to ensure complete dispersion. High Tg Pultrusion Epoxy can be measured by volume or weight using the mix ratios listed under the "Handling Properties" section. REMEMBER - you will have less working time at higher temperatures.

SAFETY PRECAUTIONS

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymers, sanding) may cause high vapor concentrations. **DO NOT WELD ON, BURN OR TORCH ON OR NEAR, ANY EPOXY MATERIAL. HAZARDOUS VAPOR IS RELEASED WHEN AN EPOXY IS BURNED.**

FOR INDUSTRIAL USE ONLY

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10500 N. Commerce Street •. Mequon, WI 53092-4473 262-238-1700 www.coppsindustries.com TB#XXXX (02/09/22)