

23964 Clawiter Road Hayward, California 94545 Phone: 510-782-1290

Fax: 510-782-1292 www.neopoxy.com

NPR-5701 CIPP FRP Fast-Curing Epoxy System

NPR-5701 is a fast-curing epoxy resin designed for pipe segment rehabilitation. The resin has excellent cure at low temperatures and develops high corrosion and chemical resistance. The excellent hydrophobicity of NPR-5701 aids the cure under damp conditions.

Typical Physical Properties

Typical Liquid Resin Properties

Specific Gravity (resin)	1.16 – 1.18 G/ml
Weight Per Gallon (resin)	9.7 – 9.8 Lbs
Specific Gravity (hardener)	1.22 – 1.24 G/ml
Weight Per Gallon (hardener)	10.2 – 10.3 Lbs
Specific Gravity (mixture)	1.19 – 1.21 G/ml
Weight Per Gallon (mixture)	9.9 – 10.1 Lbs

Typical Properties Clear Cast, 77°F (25°C)

Mix Ratio (Resin/Hardener)	1 to 1 by Weight	
Initial Cure Time, 100 Grams @ 77°F (25°C)	30 Minutes	
Hardness (Shore D)	> 80	
Flexural Modulus	> 400,000 psi	
Flexural Strength	> 8,000 psi	

Viscosity (Brookfield LV), 77°F (25°C) @ 20rpm, spindle #64

Resin	12,000 – 15,000 cPs
Hardener	12,000 – 16,000 cPs
Resin/Hardener Mixture	9,000 - 11,000 cPs

Typical 140°F (60°C) Cured PET Felt Laminate Properties

Flexural Modulus (psi)	650,000
Flexural Strength (psi)	7,000
Young's Modulus (psi)	600,000

©2023 Neopoxy LLC. All rights reserved; reproduction in whole or in part without permission is prohibited. We believe this information is reliable, but we do not guarantee its accuracy and assume no liability arising out of its use. The user should thoroughly test any application prior to commercialization. Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code, or insurance regulation.