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TECHNICAL DATA SHEET – InTech 72-10 Polyester Resin

InTech 72-10 is a promoted, thixotropic, rigid, corrosion resistant, polyester resin. It is specifically formulated to resist various chemical solutions, as well as municipal sewage and water when manufactured according to cured-in-place techniques for the relining of pipes. This resin has been tested and has passed the requirements for retention of physical properties and weight gain when exposed to corrosive media to ASTM test procedures D5813 and F1216. It has also been tested according to ASTM D-2990 for Flexural Creep. Data on these tests and any corrosion recommendations will be supplied upon request. Resins manufacturers for Inliner meeting this specification are as follows: AOC LLC, Ashland Specialty Chemical Company, Interplastic Corporation and Reichhold Inc.

TECHNICAL DATA

LIQUID RESIN PROPERTIES

Viscosity, Brookfield Model RV @ 77°F (25°C), #4 spindle @ 20 rpm, cps	4,000-6,000
Thixotropic Index	4.0 – 5.0
Gel time run in a 140°F (60°C) water bath, catalyzed with 0.1 phr of Perkadox 16 and 0.5 phr of Trigonox 42S, minutes	7-15
Stability at: 72°F (22.0°C)	≥ 24 hours
Non-Volatile, %	56 – 62
Specific Gravity	1.06 – 1.12

TYPICAL PROPERTIES OF A 6 MM FELT LAMINATE

Flexural Strength, ASTM D-790	8,200 psi	57 MPa
Flexural Modulus, ASTM D-790	500,000 psi	3,447 MPa
Tensile Strength, ASTM D-638	4,100 psi	28 MPa
Tensile Modulus, ASTM D-638	550,000 psi	3,792 MPa
Tensile Elongation, ASTM D-638	1.0 %	1.0 %
Barcol Hardness (934-1), ASTM D-2583	32 - 45	32 - 45

All specification and properties shown are approximate. Specifications and properties of material delivered may vary slightly from those given above. Inliner Technologies, Inc. makes no representations of fact regarding the material except those specified above. No person has any authority to bind Inliner Technologies, Inc. to any representation except those specified above. Final determination of the suitability of the material for the use contemplated is the sole responsibility of the Buyer. Inliner Technologies, Inc. sales representatives will assist in developing procedures to fit individual requirements.