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TECHNICAL DATA SHEET

**InTech 72-10 Polyester Resin**

InTech 72-10 is a thixotropic, rigid, corrosion resistant, unsaturated polyester resin. It is specifically formulated to resist various chemical solutions, as well as municipal sewage and stormwater. This resin has been tested and has passed the requirements for retention of physical properties and weight gain when exposed to corrosive media according to ASTM test procedures D 543, D 5813, F 1743 and F 1216. Data on these tests and any corrosion recommendations will be supplied upon request. Resins manufactured for Inliner Technologies meeting this specification are as follows: Ashland's MR-12018 (hybrid of AROPOL 7241), Chemtron's B-3003, AOC's Vipel L704AAP, Reichhold's PolyLite 33-420 and Interplastic's COR72-AA-455HV.

TECHNICAL DATA

LIQUID RESIN PROPERTIES

Viscosity, Brookfield Model RV @ 77°F (25°C) #4 spindle @ 20 rpm, cps	3900 – 5000
Thixotropic Index	4.0 – 5.0
Gel Time, 140°F (60°C) water bath, 100 gram sample (1.0 % Perk 16, 0.5 % Trig 42S)	2:00 – 5:00
Non-Volatile, %	56 – 62
Specific Gravity	1.06 - 1.10
Room Temperature Catalyzed Stability	> 24 Hours

TYPICAL PROPERTIES OF A 1/8" (3.175mm) THICK CLEAR CASTING

Flexural Strength, ASTM D-790	16,700 psi	115 MPa
Flexural Modulus, ASTM D-790	500,000 psi	3445 MPa
Tensile Strength, ASTM D-638	10,000 psi	68.9 MPa
Tensile Modulus, ASTM D-638	460,000 psi	3169 MPa
Tensile Elongation, ASTM D-638	1.8-2.5 %	1.8-2.5 %
Barcol Hardness (934-1), ASTM D-2583	45	45
Heat Distortion, ASTM D-648	227 °F	108 °C

TYPICAL PROPERTIES OF A 0.25" (6mm) THICK FELT LAMINATE

Flexural Strength, ASTM D-790	6,617 psi	45 MPa
Flexural Modulus, ASTM D-790	584,000 psi	4,023 MPa
Tensile Strength, ASTM D-638	5,720 psi	39.4 MPa
Tensile Modulus, ASTM D-638	517,000 psi	3,562 MPa
Tensile Elongation, ASTM D-638	1.4 %	1.4 %
Barcol Hardness (934-1), ASTM D-2583	36-45	36-45
Heat Distortion, ASTM D-648	208 °F	98 °C



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All specification and properties shown are approximate.

Specifications and properties of material delivered may vary slightly from those given above. Inliner Technologies, LLC makes no representations of fact regarding the material except those specified above. No person has any authority to bind Inliner Technologies, LLC 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, LLC's technical representatives will assist in developing procedures to fit individual requirements.

Date: August 23, 2002