

FACTOID: Isophthalic Polyester Resin (Iso Polyester)

Liquid crystal polymers (LCPs) are a unique class of wholly aromatic polyester polymers that provide previously unavailable high performance properties. In particular, they are highly inert chemically and highly resistant to fire. ~wikipedia

Iso Polyester is perfect for fabricating dimensionally stable corrosive-immune service parts. Also a durable repair material it is often used in tank linings. Resistant to exotherm and other post cure problems, properly fabricated parts may be used in food contact applications. ~www.fibreglast.com

A resin with exceptional physical strength properties, excellent handling characteristics, high heat resistance (up to 300 F for many conditions), outstanding corrosion resistance, and is FDA approved. Applications include fabrication of tanks, pipes, tooling, and parts requiring high-strength retention, corrosion resistance and durability. ~www.mertons.com

Iso Polyester is used where strength and durability are a must. Experiences lower shrinkage and a higher heat distortion temperature than orthophthalic type polyester resins. ~www.shopmaninc.com

Isophthalic polyester resin is fire retardant and meets the requirements for Class 1 flame rating of 25 or less per ASTM E-84. ~www.mcnichols.com

Isophthalic polyester resin with a Class 1 fire retardant rating has an ASTM E-84 flame spread rating of 25 or less and low smoke generation. ~ www.structuralfiberglass.com

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