

NOVEMBER 1997

CORROSION RESISTANT ISOPHTHALIC POLYESTER RESIN

- DESCRIPTION:** AROPOL 7240T-15 resin is a thixotropic, promoted, high molecular weight, corrosion resistant, isophthalic polyester resin containing styrene.
- PERFORMANCE:**
- Good corrosion resistance to 180°F (maximum)
 - Good physical strength properties at elevated temperatures
 - Excellent wet-out and room temperature cure properties
 - High heat distortion temperature
- SUGGESTED USES:** AROPOL 7240T-15 resin can be used for fabricating hand lay-up and spray-up tanks, pipes, and linings.
- ALTERNATIVE PRODUCTS:** AROPOL 7241T-15 resin or AROPOL 7334T-15 resin can be used when less corrosion resistance and/or resiliency is required.

TYPICAL * LIQUID PROPERTIES AT 77°F (25°C)

Percent Solids	50
Viscosity - Brookfield, cps	
#3 spindle @ 60 rpm	450
#3 spindle @ 6 rpm	850
Flash Point Range, °F	73-100
Color, Gardner	Cobalt promoted
Acid Number (Solids)	10
Specific Gravity	1.06
Pounds Per Gallon	8.9

* Typical Values: Based on material tested in our laboratories but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

STANDARD PACKAGE: 55-gallon drum, Non-Returnable, Net Wt. 500 lbs.
DOT LABEL REQUIRED: Flammable Liquid
CODE: 569-355

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AROPOL™ 7240T-15 Resin (continued)

TYPICAL * PERFORMANCE DATA

(for guidance only)

TYPICAL CURING CHARACTERISTICS:

<u>LUPERSOL¹ DDM-9 Catalyst</u>	<u>Temperature, °F</u>	<u>Gel Time, Minutes</u>
1.25	60-70	15-20
1.25	70-80	10-15
1.25	80-90	5-10

TYPICAL * MECHANICAL PROPERTIES

TYPICAL PHYSICAL PROPERTIES OF CURED CASTINGS² AT 77°F (25°C):

<u>TEST</u>	<u>VALUE</u>	<u>TEST METHOD</u>
Barcol Hardness	49	ASTM D-2583
Tensile Strength, psi	10,800	ASTM D-638
Tensile Modulus, psi x 10 ⁵	5.5	ASTM D-638
Tensile Elongation, %	2.4	ASTM D-638
Flexural Strength, psi	17,000	ASTM D-790
Flexural Modulus, psi x 10 ⁵	5.5	ASTM D-790
Heat Distortion Temperature °C (°F)	255 (123)	ASTM D-648

HANDLING: AROPOL 7240T-15 resin contains ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

Ashland Chemical Company maintains Material Safety Data Sheets on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers.

Our Material Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Ashland Chemical Company's products in your facilities.

RECOMMENDED STORAGE:

Drums - Store at temperatures below 80°F. Storage life decreases with increasing storage temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. For thixotropic resins, mild agitation is recommended to address thixotrope settling after prolonged storage. For monomer-containing resins, keep sealed to prevent moisture pick-up and monomer loss. Rotate stock.

Bulk - See Ashland Chemical's Bulk Storage and Handling Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from Ashland Chemical's Composite Polymers Division at (614) 790-3333.

SHELF LIFE: This product has a limited shelf life. When stored in accordance with the above conditions, this product has a minimum shelf life of three months.

¹Registered trademark of Elf Atochem America, Inc.

²Catalyzed with 1.25% LUPERSOL DDM-9 catalyst, cured at room temperature for 24 hours, postcured two hours at 280°F.