Technical Datasheet

INEOS Composites

AROPOL™ FX 8722 Flexible Blending Resin

Description

AROPOL FX 8722 resin is a superior flexible polyester resin with high tensile elongation and impact resistance.

Note: This product was previously sold without the FX designation, as Aropol 8722 resin.

Applications and Use

AROPOL FX 8722 resin can be used as a blending resin in molding or casting processes to improve impact or flexing properties of conventional materials.

Typical Liquid Resin Properties

Property(1) at 25°C (77°F)	Value	Unit
Percent Solids	65	%
Viscosity, Brookfield, #2 spindle @ 20 rpm	600	mPas (cps)
Acid Value (solution)	13	
Specific Gravity	1.10	g / cc

(1)Properties are typical values based on material tested in our laboratories. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

Typical Curing Characteristics

SPI Gel Time - 82°C (180°F) Bath, 1% BPO	Value	Unit
Gel Time	5	minutes
Gel to Peak Time	4	minutes
Peak Exotherm Temperature	325	°F

Typical Clear Cast Properties

Property*	Value (SI)	Units
Tensile Strength	4900	psi
Tensile Modulus	230	ksi
Elongation at Break	22	%

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Flexural Strength	6800	psi
Flexural Modulus	210	ksi
HDT	105	°F

() Clear cast properties cured for 1 hr at 120°F, 1 hr at 160°F, 2 hr at 200°F, and 2 hr at 300°F.*

Certificates and Approvals

The manufacturing, quality control and distribution of products, by INEOS Composites, comply with one or more of the following programs or standards: ISO 9001, ISO 14001 and OHSAS 18001.

Standard Package

Steel Drum with Net Weight of 220 Kg (485 Lbs)

Commercial Warranty

Three months from date of shipment, when stored in accordance with the storage conditions stated below.

Storage

Drums - Store at temperatures below 25°C (77°F). Storage life decreases with increasing storage temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. To avoid contamination of product with water, do not store outdoors. Keep containers sealed to prevent moisture pick-up and monomer loss. Mild mixing is recommended after prolonged storage. Rotate stock.

Bulk - See INEOS Composites's Bulk Storage and Handling Guide for Polyesters and Vinyl Esters. A copy of this may be obtained from INEOS Composites at +1.614.790.3333 or 800.523.6963.

All other conditions being equal, higher storage temperatures will reduce product stability and lower storage temperatures will extend product stability.

Notice

All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which INEOS Composites assumes legal responsibility. Any warranties, including warranties of merchantability, fitness for use or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

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Since the user's product formulations, specific use applications and conditions of use are beyond the control of INEOS Composites, INEOS Composites makes no warranty or representation regarding the results which may be obtained by the user. It shall be the sole responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

INEOS Composites requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.

More Information

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