Technical Datasheet

INEOS Composites

AROPOL™ FX 7721 Flexible Blending Resin

Description

AROPOL FX 7721 resin is a low viscosity isophthalic polyester that provides outstanding toughness, high tensile elongation and excellent impact strength. This resin is intended to be used as a blending resin with more rigid resin systems to provide improved flexibility.

Note: This resin was previously sold without the FX designation, as Aropol 7721 resin.

Typical Liquid Resin Property

Property(1) at 25°C (77°F)	Value	Unit
Percent Solids	65	%
Viscosity, Brookfield, spindle #3 @ 30 rpm	450	mPas (cps)
Color, Gardner	100	
Acid Value, solids basis	20	
SPI gel time at 82°C (180°F), 1.0% BPO	10	minutes
SPI gel to peak exotherm time	14.5	minutes
SPI gel peak exotherm temperature	310	°F

(1) Properties are typical values, based onmaterial 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.

Typical Cured Cast Property

Property(1) of a cured casting	Value (US)	Method
Tensile Strength	3,500 psi	ASTM D638
Tensile Modulus	170 ksi	ASTM D638
Tensile Elongation at Break	55 %	ASTM D638
Flexural Strength	4,000 psi	ASTM D790
Flexural Modulus	83 ksi	ASTM D790
Heat Distortion Temperature	33°C (92°F)	ASTM D648

INEOS Composites is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.
® Registered trademark and ™ trademark INEOS Composites

Technical Datasheet

INEOS Composites

AROPOL™ FX 7721 Flexible Blending Resin

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.
Hanldling and Storage	Standard Package: Steel drum with net weight of 485 lbs 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 with water, do not store drums outdoors. Keep containers sealed when not in use. Rotate drum stock. Bulk - See INEOS Composites's Bulk Storage and Handling Manual for Polyester and Vinyl ester Resins. A copy of this may be obtained from INEOS Composites at +1.614.790.3333 or 800.523.6963. Commercial Warranty - When stored in accordance with above conditions, INEOS Composites warrants this product to remain within specifications for three months from date of shipment. All things being equal, higher storage temperatures will reduce product stability and lower storage temperature 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. 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.

INEOS Composites is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.
® Registered trademark and ™ trademark INEOS Composites

Technical Datasheet

INEOS Composites

AROPOL™ FX 7721 Flexible Blending Resin

More Information

INEOS Composites
5220 Blazer Parkway
Dublin, OH, 43017

Tel: +1 614 790 9299
Email: Americascustomer.composites @INEOS.com

INEOS Composites is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.
® Registered trademark and ™ trademark INEOS Composites