Technical Datasheet

INEOS Composites

AROPOL™ RTM 71501-05 Resin

Description

AROPOL RTM 71501-05 resin is a low viscosity, promoted, resilient isophthalic/maleate blended polyester resin.

Applications and Use

AROPOL RTM 71501-05 resin is typically used for infusion and resin transfer molding applications.

This resin can be used for applications where the parts are exposed to typical municipal wastewater and sewage environments. For specific environments that this resin can be used, contact INEOS Composites Technical Service team.

Typical Liquid Properties

Property	Value	Unit
Viscosity, Brookfield, LV #2 @ 60 rpm	160	mPas (cps)
Sunshine Gel at 100F	4	Minutes
Gel to Peak Time	2	Minutes
Peak Exotherm Temperature	430	oF
Percent Solids	55	%

Properties are run at 25°C (77°F) unless otherwise stated. Properties are typical values and should not be considered a guaranteed analysis of any specific lot or as specification items.

Sunshine Gel test conducted at 100F. Resin initiated using 1.75g initiator per 100g resin. Initiator is an 80:20 mixture of Norax MEKP-925:Norax Azox

Standard Package

Steel Drum with Net Weight of 220 Kgs (485 lbs)

Commercial Warranty

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

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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 Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from INEOS Composites Composite Polymers 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.

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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