Technical Datasheet

Ashland Performance Materials

AROPOL™

AROPOL™ Q 67700 INF Series Infusion Resins

Description

AROPOL™ Q 67700 INF resin has been specially designed to outperform traditional general purpose resins. This resin series enables faster production with improved quality and fewer defects. The enhanced fatigue life and surface profiles ensure longer lasting, better looking composite parts.

Recommended Processes

AROPOL™ Q 67700 INF resins are typically applied using infusion, RTM and closed mold applications.

Typical Liquid Properties

Property	Aropol Q 67700 INF-20	Aropol Q 67700 INF-40	Aropol Q 67700 INF-60	Unit
Gel Time	20	40	60	Minutes
Gel to Peak Exotherm	9	12	13	Minutes
Peak Exotherm	320	320	310	°F
Styrene Level	35	35	35	%
Brookfield Viscosity (LV#3 @ 60 rpm)	145	145	130	cps
Density	9.1	9.1	9.1	lbs/gal

Gel time tested at 77°F/25°C
Test run with 1.5 g of DDM-9 in 100 g resin

Typical Cured Resin Properties

Property	Value	Value	Test Method
Tensile Strength	7,300 psi	50 Mpa	ISO 527-1
Tensile Modulus	500 ksi	3,450 Mpa	ISO 527-1
Tensile Elongation	1.6 %	1.6 %	ISO 527-1
Flexural Strength	11,100 psi	77 Mpa	ISO 178
Flexural Modulus	500 ksi	3,450 Mpa	ISO 178
Heat Deflection Temperature	93 °C	93 °C	ISO 75-2

Clear Cast Panels were post cured @140°F for 2 hours and then @280°F for 3 hours

Certificates and Approvals

The manufacturing, quality control and distribution of products, by Ashland Performance Materials, complying with one or more of the following programs or standards: Responsible Care, ISO 9001, ISO 14001, and OHSAS 18001.

Responsible Care*

Ashland is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.
* Registered service mark of the American Chemistry Council. ® Registered trademark and ™ trademark of Ashland Inc.

ASHLAND®
With good chemistry great things happen.™

Technical Datasheet

Ashland Performance Materials

AROPOL™ Q 67700 INF Series Infusion Resins

Standard Package	Steel Drum with Net Weight of 220kgs (485lbs).
Commercial Warranty	Three months from date of manufacture, when stored in accordance with the storage conditions stated below.
Storage	Drums: Store at temperatures below 25*C. 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 sealed to prevent moisture pick-up and monomer loss. Mild mixing is recommended after prolonged storage. Rotate stock. Bulk: See Ashland's Bulk Storage and Handling Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from Performance Materials at 1-800-523-6963
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 Ashland assumes legal responsibility. Any warranties, including warranties of merchantability 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 Ashland, Ashland makes no warranty or representation regarding the results which may be obtained by the user. It shall be the responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application. Ashland requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.

Responsible Care*

Ashland is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.
* Registered service mark of the American Chemistry Council. ® Registered trademark and ™ trademark of Ashland Inc.

With good chemistry great things happen.™