Technical Datasheet

Ashland Performance Materials

AROPOL™

AROPOL™ Q 6528 A High Performance Molding Resin

Description

AROPOL Q 6528 A resin is a superior electrical-grade molding resin containing vinyl toluene.

Applications and Use

AROPOL Q 6528 A resin is recommended for use where crack resistance, strength retention, and superior electrical properties are required. Typical applications include closed molding processes, especially electrical applications.

Typical Liquid Resin Properties

Property[1] at 25°C (77°F)	Value	Unit
Viscosity, #3 @ 20 rpm	3,000	mPas (cps)
Percent Solids	70	%
Monomer	Vinyl Toluene	
Acid Value	13	mgKOH /g
Density	9.25	lb./gal.
Color	5	Gardner

[1] Properties are typical values and should not be considered a guaranteed analysis of any specific lot.

Typical Curing Properties

SPI Gel Time[1] at 82°C (18°F)	Value	Unit
SPI Gel Time*	7	minutes
Peak Exotherm Time	9	minutes
Peak Exotherm Temperature	370	°F
*Initiated with 1% BPO		

Typical Mechanical Properties

Property[2]	Value	Unit	Test Method
Tensile Strength	6,800	psi	ASTM D-638
Tensile Modulus	480	ksi	ASTM D-638
Tensile Elongation at Maximum Load	1.5	%	ASTM D-638
Flexural Strength	11,600	psi	ASTM D-790
Flexural Modulus	550	ksi	ASTM D-790
Heat Distortion Temperature	101 (215)	°C (°F)	ASTM D-648

Responsible Care*

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[2]Catalyzed with 2% ATC paste and postcured for 2 hours at 280°F

Certificates and Approvals	The manufacturing, quality control and distribution of products, by Ashland Performance Materials, comply with one or more of the following programs or standards: ISO 9001, Responsible Care, ISO 14001 and OHSAS 18001.
Standard Package	Steel drum with net weight of 220 Kg (485 ll)
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 such as direct sunlight or steam pipes. To avoid contamination of the 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 - Refer to Ashland's Bulk Storage and Handling Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from Ashland Performance Materials at 1-614-790-3333 or 1-800-523-6963. All other conditions 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 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

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and the current Material Safety Data Sheet.

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