Technical Datasheet

AROPOL™ MR 14027 Press Molding Resin

Description

AROPOL MR 14027 resin is a medium reactivity, high toughness, isophthalic polyester molding resin containing styrene monomer.

Applications and Use

AROPOL MR 14027 resin is designed for general compression/injection molding applications. It is particulary suitable for electircal applications such as electrical enclosures.

Typical Liquid Resin Properties

Property(1) at 25°C (77°F)	Value	Unit
Percent Solids	70	%
Viscosity, Brookfield, RVF #2 @ 20 rpm	3100	mPas (cps)
Specific Gravity	1.16	
SPI Gel Time(1) @ 82°C (180°F)	6.8	minutes
Peak Exotherm Time	8.3	minutes
Peak Exotherm Temperature	213 (415)	°C (°F)

(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 Cured Resin Properties

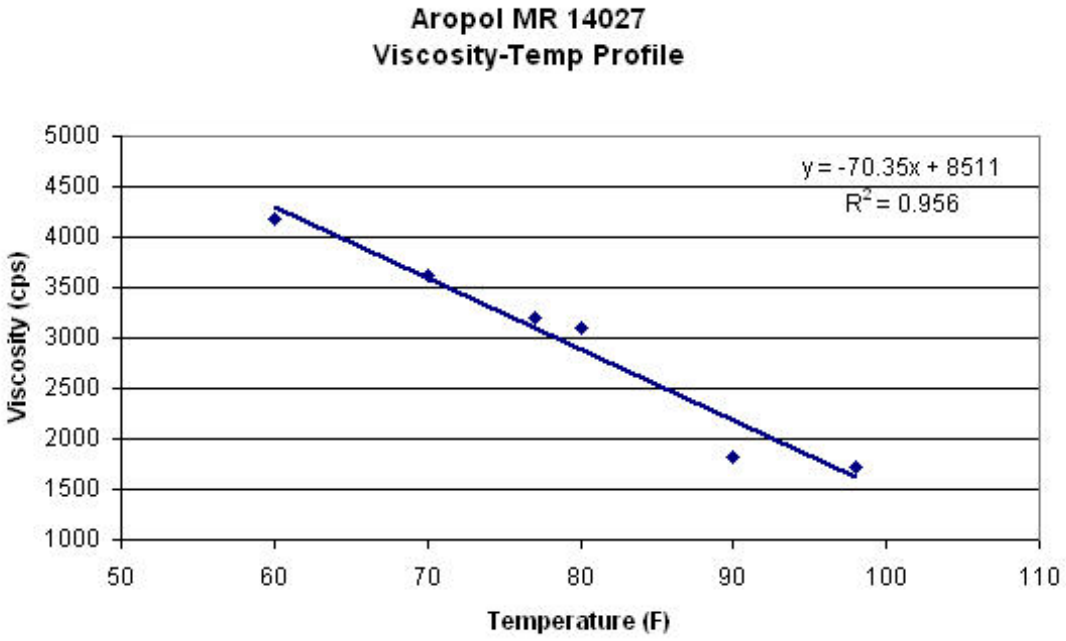
Property	Value	Unit	Method
Tensile Strength	55	MPa	ISO 527
Tensile Modulus	2800	MPa	ISO 527
Elongation at Break	9.8	%	ISO 527
Flexural Strength	109	MPa	ISO 178
Flexural Modulus	4100	MPa	ISO 178

Viscosity Profile

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Certificates and Approvals	The manufacturing, quality control and distribution of products, by ALTA Performance Materials, 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 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

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stock.

Bulk - See ALTA Performance Materials's Bulk Storage and Handling Guide for Polyesters and Vinyl Esters. Acopy of this may be obtained from ALTA Performance Materials 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 ALTA Performance Materials 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 ALTA Performance Materials, ALTA Performance Materials 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.

ALTA Performance Materials 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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