# AROPOL® CF 51532-18 Resin

**Overview**
Aropol CF 51532-18 Resin is a low viscosity, promoted UPR.

**Applications**
This product has been designed for use in polymer concrete applications.

**Typical Liquid Resin Properties**

| Property at 25°C (77°F) unless otherwise marked | Value | Unit | Notes |
|---|---|---|---|
| Brookfield Viscosity | 140 | Cps (mPas) | LV #1 @ 30 rpm |
| Non-Volatiles | 60 | % | |
| Density | 9.25 | Lbs/gallon | |

**Typical Liquid Resin Curing Properties**

| Property | Value | Unit | Notes |
|---|---|---|---|
| Room Temperature Gel (RTG) time | 18 | Minutes | |
| Gel to Peak Exotherm Time | Report | Minutes | |
| Peak Exotherm Temperature | Report | °F | |

*Room Temperature Gel time tested @ 77°F/25°C; Initiated with 2.2 grams DDM-9 catalyst in 100 grams of resin.*

**Typical Cured Resin Properties**

| Property at 25°C (77°F) unless otherwise marked | Value | Unit | Test Method |
|---|---|---|---|
| Tensile Strength | 8,200 | psi | ASTM D638 |
| Tensile Modulus | 490 | ksi | ASTM D638 |
| Tensile Elongation at Break | 2.0 | % | ASTM D638 |
| Flexural Strength | 16,100 | psi | ASTM D790 |
| Flexural Modulus | 480 | ksi | ASTM D790 |
| Heat Deflection Temperature | 135 | °F | ASTM D648 |

*Clear castings cured using 1% BPO and 0.2 TBPB and Heat cured at 54oC for 30 minutes, 71oC for 1 hour, 82oC for 1 hour and final 2 hours at 150C*

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**Standard package**
Steel drum with net weight of 220 kgs (485 lbs).

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

**Storage**
All other conditions being equal, higher storage temperatures will reduce product stability and lower storage temperatures will extend product stability. Store at temperatures below 25°C / 77°F. Avoid exposure of storage tanks and storage containers to heat such as direct sunlight, steam pipes, and other heating sources.

Containers: Keep containers sealed to prevent moisture pick-up and monomer loss. Do not store drums and other small containers outdoors. Mild mixing is recommended after prolonged storage. Rotate stock.

Bulk Storage: Consult with your ALTA Performance Materials account representative for a guide to best practices on bulk resin storage and handling.

**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.

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ALTA Performance Materials requests that the user reads, understands, and complies with the information contained herein and the current Safety Data Sheet.

[i]All properties are typical values. Results may vary. Typical values are not a guaranteed analysis of any specific lot or specification.
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