

# Nipol® AR 53L

Rubber

Zeon Corporation

Message:

Acrylic rubber, a specialty rubber that uses alkyl acrylate as a primary component, affords outstanding resistance to heat, oil (lubricants) and weather. It withstands use over long periods of time at high temperatures of 150 to 175°C, providing outstanding heat resistance at a level just below fluoro-contained rubber and silicone rubber. Therefore, it is used in a wide range of applications, such as hoses, tubes, seals, and gaskets for automobiles and general industrial machinery. A new grade featuring improved heat resistance has been recently developed and is expected to support even more extensive applications in the future.

Characteristics & Applications

Fast curing possible with Zeonet A/B/U curing system. Excellent compression set, low corrosion available.

| General Information          |                           |       |             |
|------------------------------|---------------------------|-------|-------------|
| Features                     | Good Weather Resistance   |       |             |
|                              | High Heat Resistance      |       |             |
|                              | Low Compression Set       |       |             |
|                              | Low Temperature Resistant |       |             |
|                              | Oil Resistant             |       |             |
| Physical                     | Nominal Value             | Unit  |             |
| Specific Gravity             | 1.10                      | g/cm³ |             |
| Mooney Viscosity             | 34                        | MU    |             |
| Thermal                      | Nominal Value             | Unit  | Test Method |
| Glass Transition Temperature | -32.0                     | °C    | DSC         |

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