



## Technical Data Sheet

|                        |   |
|------------------------|---|
| <b>MATERIAL:</b>       | Acrylonitrile/butadiene copolymer               |
| <b>CATALOG NUMBER:</b> | 532   |
| <b>CAS NUMBER:</b>     | 9003-18-3                                       |
| <b>DESCRIPTION:</b>    | Random copolymer of acrylonitrile and butadiene |
| <b>FORMULA:</b>        | $(C_4H_6)_x(C_3H_3N)_y$                         |

**TYPICAL PROPERTIES:**

|                        |             |
|------------------------|-------------|
| Appearance:            | Slab        |
| Acrylonitrile content: | 41%         |
| Density:               | 1.00 (25°C) |
| Mooney viscosity:      | 75 (100°C)  |
| Solubility:            | MEK, THF    |

**GENERAL INFORMATION:**

Prepared by the emulsion copolymerization of acrylonitrile and butadiene. Acrylonitrile-butadiene rubbers can be compounded and processed in much the same manner as natural rubber; they may be vulcanized with either conventional sulphur systems or peroxides. Acrylonitrile-butadiene rubbers are highly resistant toward non-polar solvents such as fuels and oil. They find applications as gaskets, fuel hoses, oil seals, o-rings, adhesives and in blends with thermosetting resins.

**STRUCTURE:**