



Technical Data Sheet

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|------------------------|---|
| MATERIAL: | Acrylonitrile/butadiene copolymer |
| CATALOG NUMBER: | 555 |
| CAS NUMBER: | 9003-18-3 |
| DESCRIPTION: | Random copolymer of acrylonitrile and butadiene |
| FORMULA: | $(C_4H_6.C_3H_3N)_x$ |

TYPICAL PROPERTIES:

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|------------------------|-------------------|
| Appearance: | Slab |
| Acrylonitrile content: | 33% |
| Density: | 0.98 (25°C) |
| Mooney viscosity: | 45 (100°C) |
| Solubility: | MEK, THF, toluene |

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: