



## Technical Data Sheet

**MATERIAL:** Acrylonitrile/butadiene copolymer

**CATALOG NUMBER:** 532

**CAS NUMBER:** 9003-18-3

**DESCRIPTION:** Random copolymer of acrylonitrile and butadiene

**FORMULA:**  $(C_4H_6.C_3H_3N)_x$

**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:**