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## **Technical Data Sheet**

**MATERIAL:** Acrylonitrile/butadiene copolymer

CATALOG NUMBER: 055

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

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

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

**TYPICAL PROPERTIES:** 

Appearance: Slab

Density: 0.99 (25°C)

Acrylonitrile content: 31%

Mooney viscosity: 50 (100°C)

Solubility: MEK, THF, partially in 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.

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