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Technical Data Sheet

MATERIAL: Acrylonitrile/butadiene copolymer

CATALOG NUMBER: 551

CAS NUMBER: 9003-18-3

DESCRIPTION: Random copolymer of acrylonitrile and butadiene

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

TYPICAL PROPERTIES:

Appearance: Crumbs
Acrylonitrile content: 33%

Density: 0.98 (25°C) Mooney viscosity: 80 (100°C)

Solubility: Partially in 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.

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