

6265 DEAN PARKWAY ONTARIO NY 14519 WWW.SCIPOLY.COM

Technical Data Sheet

MATERIAL: Acrylonitrile/butadiene copolymer

CATALOG NUMBER: 533

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 Acrylonitrile content: 41%

Density: 1.00 (25°C) Mooney viscosity: 50 (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:

Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by Sp^2 in writing at time of sale. Sp^2 cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by Sp^2 .