

**STRUCTURE:** 

## **Technical Data Sheet**

MATERIAL:	Acrylonitrile/butadiene copolymer	
CATALOG NUMBER:	529	
CAS NUMBER:	9003-18-3	
DESCRIPTION:	Random copolymer of acrylonitrile and butadiene	
FORMULA:	$(C_4H_6)_x(C_3H_3N)_y$	
TYPICAL PROPERTIES:	Appearance: Acrylonitrile content: Density: Mooney viscosity: Solubility:	Slab 29% 0.97 (25°C) 80 (100°C) 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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