



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.

STRUCTURE: