



Technical Data Sheet

MATERIAL:	Acrylonitrile/butadiene copolymer
CATALOG NUMBER:	551
CAS NUMBER:	9003-18-3
DESCRIPTION:	Random copolymer of acrylonitrile and butadiene
FORMULA:	$(C_4H_6.C_3H_3N)_x$

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.

STRUCTURE: