



## Technical Data Sheet

<b>MATERIAL:</b>	Acrylonitrile/butadiene copolymer
<b>CATALOG NUMBER:</b>	555
<b>CAS NUMBER:</b>	9003-18-3
<b>DESCRIPTION:</b>	Random copolymer of acrylonitrile and butadiene
<b>FORMULA:</b>	$(C_4H_6)_x(C_3H_3N)_y$

**TYPICAL PROPERTIES:**

Appearance:	Slab
Acrylonitrile content:	33%
Density:	0.98 (25°C)
Mooney viscosity:	45 (100°C)
Solubility:	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:**