



Technical Data Sheet

MATERIAL:	Poly(butadiene-co-acrylonitrile-co-acrylic acid), dicarboxy terminated
CATALOG NUMBER:	520
CAS NUMBER:	68891-50-9
DESCRIPTION:	Terpolymer of butadiene, acrylonitrile and acrylic acid, dicarboxy terminated
FORMULA:	$(C_4H_6)_x(C_3H_3N)_y(C_3H_4O_2)_z(CO_2H)_2$

TYPICAL PROPERTIES:

Appearance:	Liquid
Acrylonitrile content:	18%
Carboxyl content:	2.93%
Approx Mw:	17,000 [GPC]
Brookfield viscosity:	160,000 cp (27°C)
Density:	0.955 (25°C)
Functionality:	2.4
Solubility parameter:	8.87
Glass transition temp:	-52°C
Flash point:	>230°F
Solubility:	THF

GENERAL INFORMATION: Used in epoxy-based adhesive formulations, composites and coatings. Also used as an intermediate in corrosion-resistant vinyl esters, acrylated epoxy resins and radiation curing formulations.

STRUCTURE: