



## Technical Data Sheet

<b>MATERIAL:</b>	Poly(butadiene-co-acrylonitrile), dicarboxy terminated
<b>CATALOG NUMBER:</b>	550
<b>CAS NUMBER:</b>	68891-46-3
<b>DESCRIPTION:</b>	Terpolymer of butadiene, acrylonitrile and acrylic acid, dicarboxy terminated
<b>FORMULA:</b>	$(C_4H_6)_m(C_3H_3N)_n(COOH)_2$

**TYPICAL PROPERTIES:**

Appearance:	Liquid
Acrylonitrile content:	18%
Carboxyl content:	2.37%
Approx Mw:	16,000 [GPC]
Brookfield viscosity:	150,000 cp (27°C)
Density:	0.948 (25°C)
Functionality:	1.85
Solubility parameter:	8.77
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 epoxes and radiation curing formulations.

**STRUCTURE:**