



## Technical Data Sheet

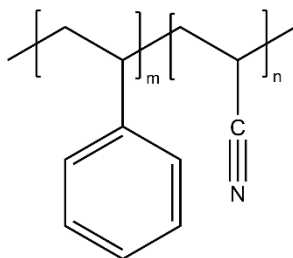
<b>MATERIAL:</b>	Styrene/acrylonitrile copolymer
<b>CATALOG NUMBER:</b>	495
<b>CAS NUMBER:</b>	9003-54-7
<b>DESCRIPTION:</b>	Random copolymer of styrene and acrylonitrile
<b>FORMULA:</b>	$(C_8H_8)_m(C_3H_3N)_n$

### TYPICAL PROPERTIES:

Appearance:	Pellets
Acrylonitrile content:	32%
Approx Mw:	185,000 [GPC]
Density:	1.07
Refractive index:	$n_D^{20}$ 1.57
Melt flow index:	7.5 g/10 min
Vicat softening point:	110°C
Flash point:	716°F
Solubility:	Dimethyl formamide, dimethyl sulfoxide, dimethyl acetamide, 1-methyl-2-pyrrolidone

**GENERAL INFORMATION:** Incorporation of acrylonitrile into the polystyrene backbone increases thermal resistance. Also known as SAN, copolymers find use in a variety of applications including food containers, kitchenware, computer products, packaging material and optical fibers.

### STRUCTURE:



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