



Technical Data Sheet

MATERIAL:	Polystyrene
CATALOG NUMBER:	400
CAS NUMBER:	9003-53-6
DESCRIPTION:	Styrene homopolymer
FORMULA:	$(C_8H_8)_x$

TYPICAL PROPERTIES:

Appearance:	Beads
Approx Mw:	45,000 [GPC] [Bimodal]
Refractive index:	n_D^{25} 1.60
Density:	1.05
Flash point:	560°F
Softening point(R&B):	125°C
Solubility:	Benzene, MEK, THF, toluene, xylene

GENERAL INFORMATION: Low molecular weight polystyrenes are typically used in adhesives, coatings and related applications where durability and resistant to weather, chemicals and shock are required. Specific applications included paper coatings, lamination and electrical insulation.

STRUCTURE: