



Technical Data Sheet

MATERIAL:	Polystyrene
CATALOG NUMBER:	039A
CAS NUMBER:	9003-53-6
DESCRIPTION:	Styrene homopolymer
FORMULA:	$(C_8H_8)_x$

TYPICAL PROPERTIES:

Appearance:	Pellets
Approx Mw:	260,000 [GPC]
Refractive index:	n_D^{20} 1.5894
Vicat softening point:	103°C
Density:	1.05 (23°C)
Glass transition temp:	100°C
Melt flow:	3g/10min (200°C)
Solubility parameter:	9.1
Solubility:	Benzene, MEK, THF, toluene, xylene

GENERAL INFORMATION:

Due to its superior moldability, transparency and electrical insulation characteristics, polystyrene has found widespread applications. Commercial end uses include packaging, housewares, toys, electronics, appliances, furniture and insulation.

STRUCTURE: