



## Technical Data Sheet

<b>MATERIAL:</b>	Polystyrene
<b>CATALOG NUMBER:</b>	844
<b>CAS NUMBER:</b>	9003-53-6
<b>DESCRIPTION:</b>	Styrene homopolymer
<b>FORMULA:</b>	$(C_8H_8)_x$

**TYPICAL PROPERTIES:**

Appearance:	Pellets
Approx Mw:	210,000 [GPC]
Refractive index:	$n_D^{20}$ 1.5894
Vicat softening point:	102°C
Density:	1.05 (23°C)
Glass transition temp:	100°C
Melt flow index:	7g/10min (200°C)
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:**