



Technical Data Sheet

MATERIAL:	Polystyrene																
CATALOG NUMBER:	844																
CAS NUMBER:	9003-53-6																
DESCRIPTION:	Styrene homopolymer																
FORMULA:	$(C_8H_8)_x$																
TYPICAL PROPERTIES:	<table><tr><td>Appearance:</td><td>Pellets</td></tr><tr><td>Approx Mw:</td><td>250,000 [GPC]</td></tr><tr><td>Refractive index:</td><td>n_D^{20} 1.5894</td></tr><tr><td>Vicat softening point:</td><td>102°C</td></tr><tr><td>Density:</td><td>1.05 (23°C)</td></tr><tr><td>Glass transition temp:</td><td>100°C</td></tr><tr><td>Melt flow index:</td><td>7g/10min (200°C)</td></tr><tr><td>Solubility:</td><td>Benzene, MEK, THF, toluene, xylene</td></tr></table>	Appearance:	Pellets	Approx Mw:	250,000 [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
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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:																	

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