SCIENTIFIC POLYMER PRODUCTS, INC.
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Technical Data Sheet

MATERIAL: Polystyrene

CATALOG NUMBER: 844

CAS NUMBER: 9003-53-6

DESCRIPTION: Styrene homopolymer

FORMULA: $(C_8H_8)_x$

TYPICAL PROPERTIES:

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

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: