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Technical Data Sheet

MATERIAL:	Polystyrene
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CATALOG NUMBER: 845

CAS NUMBER: 9003-53-6

DESCRIPTION: Styrene homopolymer

FORMULA: $(C_8H_8)_x$

TYPICAL PROPERTIES:

Appearance: Pellets

Approx Mw: 190,000 [GPC]
Refractive index: n_D²⁰ 1.5894

Vicat softening point: 98°C

Density: 1.05 (23°C)

Glass transition temp: 100°C

Melt flow index: 13g/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:

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