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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: 1.03 (23)

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:

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