



Technical Data Sheet

MATERIAL: Polystyrene
CATALOG NUMBER: 1024
CAS NUMBER: 9003-53-6
DESCRIPTION: Styrene homopolymer
FORMULA: $(C_8H_8)_x$

TYPICAL PROPERTIES:

Appearance:	Granular
Approx Mw:	1,200
Refractive index:	n_D^{25} 1.60
Density:	1.06
Flash point:	>392°F
Softening point(R&B):	74°C
Tg:	35°C
Solubility:	Benzene, MEK, THF, toluene, xylene

GENERAL INFORMATION: Low molecular weight polystyrenes are typically used in adhesives, coatings and related applications where durability and resistant to weather, chemicals and shock are required. Specific applications included paper coatings, lamination and electrical insulation.

STRUCTURE: