



Technical Data Sheet

MATERIAL: Styrene/butadiene, ABA block copolymer

CATALOG NUMBER: 451

CAS NUMBER: 9003-55-8

DESCRIPTION: ABA block copolymer of styrene and butadiene

FORMULA: $(C_8H_8)_x(C_4H_6)_y(C_8H_8)_x$

TYPICAL PROPERTIES:

Appearance:	Rubbery pellets
Styrene content:	28%
Approx Mw:	100,000 [GPC]
Brookfield viscosity:	1,200 cp (25 wt% in toluene @ 25°C)
Density:	0.94
Melt flow index:	6 g/10min
Solubility:	Chloroform, dichloromethane, hexane, MEK, toluene

GENERAL INFORMATION: Thermoplastic styrene-butadiene-styrene block copolymer. Performance advantages include high cohesive strength, high elasticity and resiliency, flexibility at low temperatures and resistance to most acids and bases. Styrene-butadiene block copolymers have found use in such applications as toys, sporting goods, elastic bands and in adhesive formulations.

STRUCTURE:

