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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:

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