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Technical Data Sheet

MATERIAL: Polyethylene

CATALOG NUMBER: 537

CAS NUMBER: 9002-88-4

DESCRIPTION: Low molecular weight homopolymer of ethylene

FORMULA: $(C_2H_4)_x$

TYPICAL PROPERTIES:

Appearance: Pellets Approx Mn: 6,500

Viscosity: 6,000 cp (140°C)

Density: 0.92 Refractive index: n_D^{20} 1.51 Softening point: 110°C Flash point: > 445°F

Solubility: Xylene (above 80°C)

GENERAL INFORMATION:

Made by high pressure polymerization process. Low molecular weight polyethylenes are used in paper coatings, spray coatings, emulsions, printing inks, crayons, and wax polishes. They are also used as additives to butyl rubber and various high molecular weight polyethylenes for improvement of melt flow characteristics, hardness, and abrasion and grease resistance.

STRUCTURE:

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