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Technical Data Sheet

MATERIAL: Polyethylene, low density

CATALOG NUMBER: 042

CAS NUMBER: 9002-88-4

DESCRIPTION: Ethylene homopolymer, low density

FORMULA: $(C_2H_4)_x$

TYPICAL PROPERTIES:

Solubility: (above 60°C) Aliphatic,

cycloaliphatic and aromatic hydrocarbons

GENERAL INFORMATION: Low density polyethylene (LDPE) is manufactured under high pressure

(15,000-50,000 PSI) using peroxide initiators. LDPE is branched, contains approximately 15-25 short chain branches per 1000 carbon atoms, some long chain branching and is approximately 50% crystalline. Major markets for LDPE include food packaging, industrial sheeting and trash bags.

STRUCTURE:

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