

CYNPOL HM0950

High Density Polyethylene Resin

DESCRIPTION

CYNPOL HM0950 is a bi-modal high molecular weight, high density polyethylene ethylene-hexene copolymer for bending to produce corrugated pipe. It offers high melt strength, pipe stiffness, creep resistance, impact resistance, slow crack growth resistance, oxidation induction time (OIT).

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Melt Index (HLMI)	9.5	g/10 min	ASTM D-1238 21.6 kg at 190 °C
Density	0.950	g/cm ³	ASTM D-1505
Flexural Modulus	900	MPa	ASTM D-790 2% Secant
Tensile Strength, Yield	25	MPa	ASTM D-638
Tensile Elongation, Break	680	%	ASTM D-638
ESCR Condition B (100% Igepal)	>1,000	h	ASTM D-1693
Oxidative-Induction Time (OIT)	>100	min	ASTM D-3895 Initial
Brittleness	>-75	°C	ASTM D-746

NOTES / TEST CONDITIONS

¹ The technical information is based on compression molded parts and all data information herein refers to typical values. Since conditions of product use is outside our control, we make no warranties and assume no liability in connection with any use of this information.

TYPICAL APPLICATIONS

Corrugated pipe for storm sewer and drainage.

REQUIREMENT MEETS

CYNPOL HM0950 meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, which covers safe use of polyolefin articles intended for food contact.