

CYNPOL HM0950

High Density Polyethylene Resin

Product 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).

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 is covering safe use of polyolefin articles intended for food contact.

Physical Properties

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

¹The 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.



For technical support & more information

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