

CYNPOL HD5502H

High Density Polyethylene Resin

Product Description

CYNPOL HD5502H is a hexene copolymer high density polyethylene which is designed for high stiffness and stress crack resistance properties for the general-purpose blow molding application.

Applications

Household and industrial chemical containers, food packaging, drainage pipes, thermoforming products.

Requirement meets

CYNPOL HD5502H 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	Unit	Typical Value	Reference
Melt Index	ASTM D-1238	g/10min	0.35	2.16kg at 190 °C
Density	ASTM D-4883	g/cc	0.954	
Tensile Strength, Yield	ASTM D-638	Mpa	26	
Elongation, Break	ASTM D-638	%	>580	
Flexural Modulus	ASTM D-790	Mpa	1320	
ESCR (100% Igepal)	ASTM D-1693	hr	35	
Tensile Impact	ASTM D-1822	kJ/m ²	175	

¹The technical information is based on injection molded specimens and 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.