

CYNPOL HD0753

High Density Polyethylene Resin

Product Description

CYNPOL HD0753 is a high-density polyethylene copolymer with narrow molecular weight distribution. It is specially engineered to deliver:

- **High stiffness and excellent stress crack resistance**
- **Superior gloss and surface finish**
- **Outstanding flow characteristics for efficient processing**
- **Excellent impact strength**

Applications

Pails, pail lids, caps for water bottles, industrial parts and large shipping containers.

Requirement meets

CYNPOL HD0753 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	ASTM D-1238	6.9	g/10min	2.16kg at 190 °C
Density	ASTM D-792	0.953	g/cm ³	
Tensile Strength, Yield	ASTM D-638	27	MPa	
Elongation, Break	ASTM D-638	>1,000	%	
Flexural Modulus	ASTM D-790	1,300	MPa	Tangent
Hardness	ASTM D-2240	70		Shore D
IZOD Impact Strength (Notched)	ASTM D-256	40	J/m	@ 23 °C
ESCR (100% Igepal)	ASTM D-1693	20	h	Condition B, F ₅₀
Vicat Softening Temperature	ASTM D-1525	127	°C	

¹The technical information is based on compression 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.



For technical support & more information

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Revised August 2025