

CYNPOL HD0653

High Density Polyethylene Resin

Product Description

CYNPOL HD0653 is a narrow molecular weight distribution copolymer high density polyethylene which is designed for the good stiffness and excellent impact strength for the injection molding applications.

Applications

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

Requirement meets

CYNPOL HD0653 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	6.5	2.16kg at 190 °C
Density	ASTM D-792	g/cm ³	0.953	
Tensile Strength, Yield	ASTM D-638	MPa	26	
Elongation, Break	ASTM D-638	%	>900	
Flexural Modulus	ASTM D-790	MPa	1250	
ESCR (100% Igepal)	ASTM D-1693	h	18	Condition B, F ₅₀
Vicat Softening Temperature	ASTM D-1525	°C	126	

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

16825 Northchase Drive, Suite 1400, Houston, Texas 77060 USA T +1.281.618.1300 F +1.281.618.1398 admin@vinmar.com www.vinmar.com

We makes no other representation or warranties, express or implied, including, without limitation, warranties of merchantability and fitness for a particular purpose, and expressly disclaims all other representations and warranties and any and all other obligations or liabilities on the part of us. No person is authorized to give any other warranties or to assume any other liability on behalf of us unless made or assumed in writing by us.

Revised October 2019