

CYNPOL HD0645

High Density Polyethylene Resin

Product Description

CYNPOL HD0645 is a ethylene -hexene copolymer high density polyethylene which is designed for excellent ESCR and excellent impact strength, low warpage for the injection molding applications.

Applications

Food and household containers, pails, large trash bins.

Requirement meets

CYNPOL HD0645 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	6.0	2.16kg at 190 °C
Density	ASTM D-4883	g/cm ³	0.945	
Tensile Strength, Yield	ASTM D-638	MPa	23	
Elongation, Break	ASTM D-638	%	1,000	
Flexural Modulus	ASTM D-790	MPa	1,000	
ESCR (100% Igepal, F50)	ASTM D-1693	h	40	

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 March 2018