

CYNPOL HD0553

High Density Polyethylene Resin

Product Description

CYNPOL HD0553 is a narrow molecular weight distribution copolymer high density polyethylene which is designed for the good stiffness and high impact strength for the injection molding applications.

Applications

Crates, Pails

Requirement meets

CYNPOL HD0553 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	4.5	2.16kg at 190 °C
Density	ASTM D-4883	g/cc	0.953	
Tensile Strength, Yield	ASTM D-638	Mpa	26	
Elongation, Break	ASTM D-638	%	1800	
Flexural Modulus	ASTM D-790	Mpa	1200	
Vicat Softening Temperature	ASTM D-1525	°C	127	
Notched IZOD Impact	ASTM D-256	J/m	50	at 23°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

Vinmar International Ltd

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

We make 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 September 2017