

## CYNPOL HD0865UV

High Density Polyethylene Resin

### Product Description

CYNPOL HD0865UV is a narrow molecular weight distribution homopolymer high density polyethylene which is designed for excellent stiffness and cold temperature impact strength for the injection molding applications. It is ideal for the very high stiffness products.

### Applications

Crates, pallets, containers, hot-fill packaging pails, structural foam articles.

### Requirement meets

CYNPOL HD0865UV 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 <sup>1</sup>	Test Method	Unit	Typical Value	Reference
Melt Index	ASTM D-1238	g/10min	8.2	2.16kg at 190 °C
Density	ASTM D-4883	g/cm <sup>3</sup>	0.965	
Tensile Strength, Yield	ASTM D-638	MPa	30	
Elongation, Break	ASTM D-638	%	420	
Flexural Modulus (1% Secant)	ASTM D-790A	MPa	1850	
ESCR (10% Igepal, F50)	ASTM D-1693	hr	3	
Notched IZOD Impact(-40°C)	ASTM D-256	J/m	45	at -40°C

<sup>1</sup>The 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 March 2018