

## CYNPOL HDP353

High Density Polyethylene Resin

### Product Description

CYNPOL HDP353 is a bi-modal high density polyethylene grade for the blow molding, the corrugated pipe, profile and conduit extrusion process. This product is designed for excellent ESCR property and good processability.

### Applications

Corrugated pipes, profile, conduit, blow molding for agricultural chemical containers..

### Requirement meets

CYNPOL HDP353 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	0.32	2.16kg at 190 °C
Density	ASTM D-1505	g/cm <sup>3</sup>	0.953	
Tensile Strength, Yield	ASTM D-638	MPa	27	
Elongation, Break	ASTM D-638	%	800	
Tensile Impact	ASTM D-1822	kJ/m	10	
Flexural Modulus	ASTM D-790	MPa	1,100	2% Secant
ESCR	ASTM D-1693	h	450	100% Igepal, Condition B
Oxidation Induction Time	ASTM D-3895	min	40	At 200°C

<sup>1</sup>The technical information 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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