

CYNPOL HM50100

High Molecular Polyethylene

MELT INDEX: 10

DENSITY: 0.950

Cynpol HM 50100 is a high molecular weight, high density polyethylene grade. This product is designed for sheet extrusion, thermoforming, blow molding and is recommended for use in applications requiring excellent strength. . Meets the requirements of FDA regulation 177.1520.

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNITS	RESULT
Melt Index, 21.6 kg at 190 °C	ASTM D-1238	g/10 min	10
Density	ASTM D-792	g/cc	0.950
Tensile Strength, Yield, MD	ASTM D-882	MPa	26
Elongation, Break, MD	ASTM D-882	%	800
Flexural Modules, MD	ASTM D-882	MPa	1200
ESCR (100% Igepal)	ASTM D-1693	hr	>800
Tensile Impact	ASTM D-1822	ft-lb/in ²	120

The technical information is based on injection 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.