

CYNPOL HD5502

High Density Polyethylene

MELT INDEX: 0.30

DENSITY: 0.954

Cynpol HD5502 is a high density polyethylene grade. This product is designed for blow molding and is recommended for use in applications requiring excellent environmental stress crack resistance. Meets the requirements of FDA regulation 177.1520.

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNITS	RESULT
Melt Index, 2.16 kg at 190 °C	ASTM D-1238	g/10 min	0.3
Density	ASTM D-792	g/cc	0.954
Tensile Strength, Yield	ASTM D-638	MPa	28
Elongation, Break	ASTM D-638	%	>600
Flexural Modules 2% Secant	ASTM D-790	MPa	1320
ESCR	ASTM D-1693	hr	30
Tensile Impact	ASTM D-1822	ft-lb/in ²	90

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.