

HDPE 4850 Technical Datasheet

Product Description

HD4850 is a high-density polyethylene resin (HDPE), produced by Spherilene gas phase technology and is intended for use in thin-wall injection molding applications such as food containers, including freezer applications. This resin has been designed to provide a good balance of toughness and processability. It provides good cold temperature impact resistance. It has narrow molecular weight distribution and high flow results in fast molding cycles.

Resin Properties	Unit	Value	Test
Density	g/cm ³	0.948	D1505
Melt Index (190°C/ 2.16Kg)	g/10 min	50	D1238
Flexural modulus	MPa	1100	D709
Notched Izod impact at 23°C	J/m	20	D256/A
Vicat softening point	°C	116	D1525
Tensile strength at break	MPa	18	ASTM D 638
Tensile elongation at break	%	8	ASTM D 638
HDT	°C	72	ASTM D648
Hardness Shore D	-	59	ISO868


Applications:

Injection molding, Thin-wall injection molding, Compounding



 Unit 302, Sheydayee BLD, Sazman AB, Tehranpars

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