

RELENE® HD55EF010

High Density Polyethylene

Reliance Industries Limited

Message:

HD55EF010 is a High Density Polyethylene (HDPE) grade, specially formulated to manufacture oriented monofilament products. It has narrow molecular weight distribution and has very good processability, less motor load and high output combined with very good elongation and filament properties to make it a grade of choice.

General Information	
Features	Food Contact Acceptable Good Processability Narrow Molecular Weight Distribution
Uses	Monofilaments
Agency Ratings	FDA 21 CFR 177.1520 IS 10141-1982 IS 10146-1982

Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	23.0	MPa	ASTM D638
Tensile Elongation (Break, Injection Molded)	15	%	ASTM D638
Flexural Modulus (Injection Molded)	820	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ASTM D1525

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Recommended distributors for this material

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