

RELENE® HD53EA010

High Density Polyethylene

Reliance Industries Limited

Message:

HD53EA010 is a High Density Polyethylene (HDPE) grade produced and specially formulated to manufacture stretched tape products and other extrusion products with good combination of tenacity and elongation. It has very good processability and stretchability, less motor load and high output combined with good tape properties to make it a grade of choice.

General Information	
Features	Food Contact Acceptable Good Processability
Uses	Tape
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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