

RELENE® HD53EA010

High Density Polyethylene
Reliance Industries Limited

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Technical Data

Product Description

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

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• Reliance Industries Limited
Availability	• Asia Pacific • Europe
Features	• Food Contact Acceptable • Good Processability
Uses	• Tape
Agency Ratings	• FDA 21 CFR 177.1520 • IS 10141-1982 • IS 10146-1982

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.955 g/cm ³	0.955 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, Injection Molded)	3340 psi	23.0 MPa	ASTM D638
Tensile Elongation (Break, Injection Molded)	15 %	15 %	ASTM D638
Flexural Modulus (Injection Molded)	119000 psi	820 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (Injection Molded)	No Break	No Break	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	261 °F	127 °C	ASTM D1525

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



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Where to Buy

Supplier

Reliance Industries Limited

Mumbai, India

Telephone: +91-22-2278-5000

Web: <http://www.ril.com/>

Distributor

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

