

RELENE® HD53TA010

High Density Polyethylene

Reliance Industries Limited

Message:

HD53TA010 is a High Density Polyethylene (HDPE) grade produced and specially formulated to manufacture stretched tape products such as Tarpaulins and Wrapping fabrics and other extrusion products with good combination of tenacity and elongation. It has very good processability, low water carry - over and stretchability, less motor load and high output combined with good tape properties to make it a grade of choice. This material is particularly suitable for making low denier tapes

General Information			
Features	Workability, good		
	Good stretchability		
	Compliance of Food Exposure		
	Low water portability		
Uses	Strap		
	Fabric		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	22.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	15	%	ASTM D638
Flexural Modulus (Injection Molded)	800	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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