



# HD53EA010 HIGH DENSITY POLYETHYLENE FOR STRETCHED TAPE PRODUCTS

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.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10 min	1.0
Density (23°C)	ASTM D1505	gm/cm <sup>3</sup>	0.955
Tensile Strength at Yield	ASTM D638	MPa	23
Elongation at Yield	ASTM D638	%	15
Flexural Modulus	ASTM D790	MPa	820
Notched Izod Impact Strength	ASTM D256	J/m	No Break
Vicat Softening Point	ASTM D1525	°C	127

\*Typical Characteristics and not to be taken as specifications

\*\*Mechanical Properties are on Injection Moulded Specimen

## Applications

Oriented tapes, woven sacks.

## Regulatory Information

- Meets the requirements stipulated in standard IS : 10146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to the positive list of constituents as prescribed in IS : 10141. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21, 177.1520, Olefin polymers.

## Storage Recommendations

- Bags should be stored in dry/ closed conditions at temperatures below 50°C and protected from UV/ direct sunlight.