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# F56003 HIGH DENSITY POLYETHYLENE

## FOR BLOWN FILM GRADE

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F 56003 is a High Density Polyethylene (HDPE) grade suitable for producing blown with excellent drawdown and paper like feel. It is recommended for making carrier bags and co-extruded film structures.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value **
Density (23°C)	ASTM D1505	g/cc	0.956
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	g/10 min	0.30
Tensile Strength at Yield (MD/TD)	ASTM D882	MPa	35.0/37.0
Ultimate Tensile Strength (MD/TD)	ASTM D882	MPa	55.0/50.0
Elongation at Break (MD/TD)	ASTM D882	%	700/900
Dart Impact Strength, F <sub>50</sub> (38 mm Dart, 66 cm height)	ASTM D1709	g/μm	1.6
Tear Strength	(MD/TD)	ASTM D1922	g/μm0.7/10.0

\* Typical Characteristics and not to be taken as specifications

\*\*Typical values (Mechanical) with 40 μ film made with 0.75 mm die gap & 2.75 BUR

### Applications

Carrier bags, co-extrusion.

### Regulatory Information

- Meets the requirements stipulated in standard IS : 10146-1982 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 : 10141-1982. 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.