



# F46003E

## HIGH DENSITY POLYETHYLENE For Blown Film

F46003E is a High Density Polyethylene grade suitable for general purpose blown film applications. The resin offers good melt strength, ESCR and Impact Resistance.

### TYPICAL CHARACTERISTICS\*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE**
Melt Flow Index (190°C / 2.16 Kg )	ASTM D 1238	g/10 min.	1.0
Density ( @ 23°C )	ASTM D 1505	g/cc	0.953
Tensile Strength at Yield (MD/TD)	ASTM D 882	MPa	29/26
Ultimate Tensile Strength (MD/TD)	ASTM D 882	MPa	45/40
Elongation @ Break (MD/TD)	ASTM D 882	%	780/950
Dart Impact Strength, F50 (38mm Dart, 66 cm Height)	ASTM D 1709	g/μm	2
Tear Strength (MD/TD)	ASTM D 1922	g/μm	0.40 / 0.45

\*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 :

Used for Producing Blown Film and is recommended for use in carry bags and co-extruded film structures.

### Regulatory Information

Meets the requirement stipulated in standard IS: 10146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to 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.

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