

# PE L50026

## L50026 Powder Linear Low Density Polyethylene High Flow Grade

L50026 is a butene comonomer based Linear Low Density Polyethylene grade with narrow molecular weight distribution and optimum levels of antioxidants. It offers excellent processability and it mainly recommend for preparing masterbatch. This grade can also be used for producing injection moulded lids, containers, housewares and general purpose articles as it exhibits good flexibility, low warpage and good fluidity.

### Key Characteristics:

Typical Properties*			
Item	Test Method	Unit	Typical Value
Melt Flow Rate	ASTM D1238 (190 <sup>0C</sup> , 2.16 kg)	g/10min	50
Density (23 <sup>0C</sup> )	ASTM D 1505	g/cc	0.926
Tensile Strength at Yield	ASTM D638	MPa	11.5
Elongation at Break	ASTM D638	%	600
Flexural Modulus	ASTM D790	MPa	250
Vicat Softening Temperature	ASTM D1525	<sup>0C</sup>	97

\*All above mentioned data are typical values and not to be construed as real specifications.

\* Mechanical Properties are on Injection Moulding Specimen.

### Applications:

\*\* Masterbatches, shopping baskets, lids, hot melt adhesives, powder coating.

### 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 Conditions:

\*\* Bags should be stored in dry/closed conditions at temperature below 50<sup>0C</sup> and protected from UV/direct sunlight.