

Technical Datasheet M500026

1) Product Description:

M500026 is Linear Low Density Polyethylene grade with narrow molecular weight distribution suitable for injection molding applications. It has been designed to give excellent flow properties with better low temperature toughness, stress crack resistance and gloss.

2) Applications:

M500026 is recommended for lids for closures and containers and deep draw houseware products, automotive parts etc.

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Mass-Flow Rate(MFR)(190°C/2.16 kg)	ASTM D 1238	g/10 min	50
Density (23 °C)	ASTM D1505	kg/m ³	926
1% Secant Modulus	-	Mpa	240
Tensile Strength @ Yield	ASTM D638	Mpa	10
Tensile Strength @ Break	ASTM D638	Mpa	8
Tensile Elongation @ Break	ASTM D638	%	>350
Flexural Strength	ASTM D638	Mpa	8
Flexural Modulus	ASTM D790	Mpa	200
Izod Impact	ASTM D790	J/m	500
Hardness (Shore D)	ASTM D 256	-	50
ESCR (100% Igepal), F50*	ASTM D 2240	Hrs	6
ESCR (10% Igepal), F50	ASTM D 1693B	Hrs	3
Vicat Softening Point	ASTM D 1525	°C	88
Brittleness Temperature	ASTM D 746	°C	< -75

* Typical values not to be construed as specifications.

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