

TECHNICAL DATASHEET

LLDPE M500026



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

TRPICAL APPLICATION

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

TYPICAL DATA

Properties	Unit	Value ⁽¹⁾	ASTM Method
Resin Properties			
Melt Flow Rate @ 190°C & 2.16 kg load	g/10 min.	50	D 1238
Density @ 23°C	kg/m ³	926	D 1505
Mechanical Properties⁽²⁾			
1% Secant Modulus	MPa	240	D 638
Tensile Strength @ Yield	MPa	10	D 638
Tensile Strength @ Break	MPa	8	D 638
Tensile Elongation @ Break	%	>350	D638
Flexural Strength	MPa	8	D 790
Flexural Modulus	MPa	200	D 790
Izod Impact	J/m	500	D 256
Hardness (Shore D)	-	50	D 2240
ESCR (100% Igepal), F ₅₀ [*]	Hrs	6	D 1693B
ESCR (10% Igepal), F ₅₀ [*]	Hrs	3	
Thermal Properties			
Vicat Softening Point	°C	88	D 1525
Brittleness Temperature	°C	< -75	D 746