

# RELENE® 16MA400

Low Density Polyethylene

Reliance Industries Limited

## Message:

16MA400 is an injection moulding grade film grade Low Density Polyethylene (LDPE) produced by high pressure tubular process. The high melt flow index makes it ideal for moulding of very thin, intricate and large items having adequate mechanical properties. This grade is also an ideal choice for making masterbatches with higher loading.

General Information			
Features	Food Contact Acceptable		
	High Flow		
Uses	Masterbatch		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	10.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	40	%	ASTM D638
Flexural Modulus (Injection Molded)	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	84.0	°C	ASTM D1525

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## Recommended distributors for this material

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