

HiFill® LDPE 0098 S LE

Low Density Polyethylene

Techmer Engineered Solutions

Message:

HiFill® LDPE 0098 S LE is a Low Density Polyethylene product filled with filler. It can be processed by injection molding and is available in North America. Typical application: Food Contact Applications.

General Information			
Filler / Reinforcement	Filler		
Features	Low Extractables		
	Metal Detectable		
Agency Ratings	FDA Unspecified Rating		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.9	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.3	MPa	ASTM D638
Tensile Elongation (Yield)	80	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Flexural Strength	15.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.8	°C	ASTM D648
CLTE - Flow	3.4E-5	cm/cm/°C	ASTM D696

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Recommended distributors for this material

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