

TAISOX 6810M

Low Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 6810M is a Low Density Polyethylene material. It is available in Asia Pacific, Europe, or North America for injection molding.
Important attributes of TAISOX 6810M are:
Good Flexibility
High Flow
High Gloss
Typical application of TAISOX 6810M: Engineering/Industrial Parts

General Information			
Features	Good Flexibility		
	High Flow		
	High Gloss		
	Low Density		
Uses	Thin-walled Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.914	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	46.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	8.83	MPa	
Break	9.81	MPa	
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	108	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746
Vicat Softening Temperature	80.0	°C	ASTM D1525
Melting Temperature	103	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	150 to 180	°C	

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Recommended distributors for this material

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