

HIDEN® M680

High Density Polyethylene

YUHWAW Korea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® M680 is a High Density Polyethylene material. It is available in Asia Pacific for injection molding.

Important attributes of HIDEN® M680 are:

RoHS Compliant

High Flow

Impact Resistant

Typical applications include:

Caps/Lids/Closures

Food Contact Applications

Furniture

General Information			
Features	High Flow		
	High Impact Resistance		
Uses	Caps		
	Outdoor Furnishings		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 2.5	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	55		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D1525
Peak Melting Temperature	135	°C	ASTM D3418

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Recommended distributors for this material

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