

HIDEN® M690

High Density Polyethylene

YUHWAA Korea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® M690 is a High Density Polyethylene material. It is available in Asia Pacific for injection molding.

Important attributes of HIDEN® M690 are:

RoHS Compliant

High Flow

Rigid

Typical applications include:

Food Contact Applications

Packaging

General Information			
Features	High Flow		
	High Rigidity		
Uses	General Purpose		
	Thin-walled Packaging		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.962	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	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)	51		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	49	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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