

HIDEN® M850

High Density Polyethylene

YUHWAKorea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® M850 is a High Density Polyethylene material. It is available in Asia Pacific for injection molding.

Important attributes of HIDEN® M850 are:

Impact Resistant

Rigid

Typical applications include:

Containers

Food Contact Applications

Industrial Applications

General Information			
Features	High Impact Resistance		
	High Rigidity		
Uses	Containers		
	General Purpose		
	Industrial Applications		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.965	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.7	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)	56		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525
Peak Melting Temperature	135	°C	ASTM D3418

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Recommended distributors for this material

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