

# HIDEN® U090 L

High Density (UHMW) Polyethylene

YUHWKorea Petrochemical Ind. Co., Ltd.

## Message:

HIDEN® U090 L is a High Density (UHMW) Polyethylene material. It is available in Asia Pacific for compression molding or ram extrusion.

Important attributes of HIDEN® U090 L are:

High Molecular Weight

Wear Resistant

General Information			
Features	Good Wear Resistance		
	Ultra High Molecular Weight		
Processing Method	Compression Molding		
	Ram Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm <sup>3</sup>	ASTM D1505
Apparent Density	0.45	g/cm <sup>3</sup>	ISO 60
Average Molecular Weight	7.00		Internal Method
Particle Size	190	μm	Internal Method
Abrasion Resistance	80.0		
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness <sup>1</sup>	62		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 16.7	MPa	ASTM D638
Tensile Elongation (Break)	> 300	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	79.0	°C	ASTM D648
Peak Melting Temperature	135	°C	ASTM D3418
NOTE			
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Recommended distributors for this material

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