

HIDEN® U030

Ultra High Molecular Weight Polyethylene

YUHWA Korea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® U030 is an Ultra High Molecular Weight Polyethylene material. It is available in Asia Pacific for compression molding or ram extrusion.

Important attributes of HIDEN® U030 are:

RoHS Compliant

Good Processability

High Molecular Weight

General Information			
Features	Good Processability		
	Ultra High Molecular Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Compression Molding		
	Ram Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ASTM D1505
Apparent Density	0.45	g/cm ³	ISO 60
Average Molecular Weight - 10 ⁶ g/mol	3.00		Internal Method
Average Particle Size	120	μm	Internal Method
Abrasion Resistance	120		ISO 15527
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness ¹	63		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			

1. Shore D

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

