

UHMWPE

YUHWA HIDEN U070 H

Features
and Uses

Properties

Contact
Info.

Application	UHMWPE			
Features	Higher wear resistance than U050 H			
Uses	Compression Molding, Ram Extrusion, Battery Separators			
Items		Specification	Unit	Test Method
Average Mv (10 ^e g/mol)		7	—	KPIC Method
Density		0.93	g/cm ³	ASTM D1505
Bulk Density		0.46	g/cm ³	ISO 60
Avg. Particle Size		125	μm	KPIC Method
Tensile Strength at Yield		>170	kgf/cm ²	ASTM D638
Elongation at Break		>300	%	ASTM D638
Hardness		59	Shore D	ASTM D2240
Impact Strength (Izod with Notch)		No Break	kgf cm/cm	ASTM D256
Charpy Impact Strength (Double Notched)		120	kJ/m ²	ISO 11542-2
Abrasion Resistance		90	U050=100	ISO 15527
Melting Point		133	℃	ASTM D3418
※ Above data are intended to serve as guides only, and are not sales specification limits.				
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