



UHMWPE

YUHWA HIDEN U070 H

Features
and Uses

Properties

Application	UHMWPE		
Features	Higher wear resistance than U050 H		
Uses	Compression Molding, Ram Extrusion, Battery Separators		
Items	Specification	Unit	Test Method
Average Mv (10° g/mol)	7	—	KPIC Method
Density	0.93	g/cm³	ASTM D1505
Bulk Density	0.46	g/cm³	ISO 60
Avg. Particle Size	125	μm	KPIC Method
Tensile Strength at Yield	>170	kgf/cm²	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/m²	ISO 11542-2
Abrasion Resistance	90	U050=100	ISO 15527
Melting Point	133	°C	ASTM D3418