

UHMWPE

YUHWA HIDEN U010 PE500

Features
and Uses

Properties

Application	UHMWPE			
Features	Excellent Property Spectrum, High Impact Strength, High Wear Resistance			
Uses	Diverse Application (Compression Molding, Ram Extrusion. etc)			
	Items	Specification	Unit	Test Method
	Average Mv (10⁶ g/mol)	0.6	-	KPIC Method
	Density	0.95	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	66	Shore D	ASTM D2240
	Impact Strength (Izod with Notch)	No Break	kgf cm/cm	ASTM D256
	Charpy Impact Strength (Double Notched)	25	kJ/m ²	ISO 11542-2
	Abrasion Resistance	250	U050=100	ISO 15527
	Melting Point	135	°C	ASTM D3418
	Heat Deflection Temperature	79	°C	ASTM D648