

UHMWPE
YUHWA HIDEN U050

Features and Uses

Application	U(V)HMWPE / UHMWPE (UHMWPE)
Features	Good property, Processibility balance, Higher wear resistance than U010
Uses	Compression Molding, Ram Extrusion, Battery Separators

Properties

Items	Specification	Unit	Test Method
Average Mv (10 ⁶ g/mol)	5	-	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	kg/cm ²	ASTM D638
Elongation at Break	>300	%	ASTM D638
Hardness	62	Shore D	ASTM D2240
Impact Strength (Izod with Notch)	No Break	kg _r cm/cm	ASTM D256
Abrasion Resistance	100	U050=100	ISO 15527
Melting Point	135	°C	ASTM D3418
Heat Deflection Temperature	79	°C	ASTM D648

※ Above data are intended to serve as guides only, and are not sales specification limits.

Contact Info.

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