



UHMWPE

YUHWa HIDEn U090L H

Features
and Uses

Properties

Application	UHMWPE			
Features	Higher wear resistance than U070 H, Large particle size			
Uses	Compression Molding, Ram Extrusion			
Items		Specification	Unit	Test Method
Average Mv (10° g/mol)		9	10°g/mol	KPIC Method
Density		0. 93	g/cm³	ASTM D1505
Bulk Density		0. 46	g/cm³	ISO 60
Avg. Particle Size		190	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)		110	kJ/m²	ISO 11542-2
Abrasion Resistance		80	U050=100	ISO 15527
Melting Point		133	℃	ASTM D3418