

 KOREA PETROCHEMICAL IND,CO.,LTD

U(V)HMWPE U090 L

 print  close

Classification : U(V)HMWPE UHMWPE grade
Attributes : Excellent Property Spectrum, Higher wear resistance than U070
Applications : Compression Molding, Ram Extrusion, Battery Separators

Documents & Certificates

Spec Sheet :
MSDS :  [MSDS Request](#)
FDA :  [FDA Request](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Average Mv	7	-	KPIC Method
Density	0.93	g/cm ³	ASTM D1505
Bulk Density	0.45	g/cm ³	ISO 60
Avg. Particle Size	190	μ	KPIC Method
Tensile Strength at Yield	>170	kg/cm ²	ASTM D638
Elongation at Break	>300	%	ASTM D638
Hardness (Rockwell)	62	Shore D	ASTM D785
Impact Strength (Izod with Notch)	No Break	kg _f cm/cm	ASTM D256
Abrasion Resistance	80	U050=100	ASTM
Melting Point	135	°C	ASTM D3418
Heat Deflection Temperature	79	°C	ASTM D648
The values given above should only be used as a guide and should not be considered as a specification or guarantee. The values are dependent on part geometry and fabrication conditions.			