

Polimaxx U521

(PE-UHMW)

IRPC

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	22	MPa	ISO 527
Stress at break	35	MPa	ISO 527
Strain at break	300	%	ISO 527
Shore D hardness	63	-	ISO 7619-1
ASTM Data			
Izod Impact notched, 1/8 in	N	J/m	ASTM D 256
Thermal properties			
ISO Data			
Vicat softening temperature, A	126	°C	ISO 306
ASTM Data			
Melting Temperature	132	°C	ASTM D 3418
Other properties			
Density	930	kg/m ³	ISO 1183
Intrinsic Viscosity	23	dl/g	-
Bulk density	400	kg/m ³	-

Characteristics**Delivery form**

Powder

Certifications

RoHS compliant

Special Characteristics

High impact or impact modified

Regional Availability

Europe, Asia Pacific

Features

Tribologic Grade