

**Polimaxx U311**

(PE-UHMW)

IRPC

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Yield stress	<b>22</b>	MPa	ISO 527
Stress at break	<b>35</b>	MPa	ISO 527
Strain at break	<b>300</b>	%	ISO 527
Shore D hardness	<b>65</b>	-	ISO 7619-1
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	<b>N</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Vicat softening temperature, A	<b>126</b>	°C	ISO 306
<b>ASTM Data</b>			
Melting Temperature	<b>132</b>	°C	ASTM D 3418
<b>Other properties</b>			
Density	<b>930</b>	kg/m <sup>3</sup>	ISO 1183
Intrinsic Viscosity	<b>17.6</b>	dl/g	-
Bulk density	<b>400</b>	kg/m <sup>3</sup>	-

**Characteristics****Delivery form**

Powder

**Certifications**

RoHS compliant

**Special Characteristics**

High impact or impact modified

**Regional Availability**

Europe, Asia Pacific

**Features**

Tribologic Grade