

Polimaxx U321

(PE-UHMW)

IRPC

Mechanical properties

	Value	Unit	Test Standard
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ISO Data

Yield stress	17	MPa	ISO 527
Stress at break	30	MPa	ISO 527
Strain at break	400	%	ISO 527
Shore D hardness	60	-	ISO 7619-1

ASTM Data

Izod Impact notched, 1/8 in	N	J/m	ASTM D 256
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Thermal properties

	Value	Unit	Test Standard
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ISO Data

Vicat softening temperature, A	128	°C	ISO 306
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ASTM Data

Melting Temperature	132	°C	ASTM D 3418
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Other properties

	Value	Unit	Test Standard
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Intrinsic Viscosity	17	dl/g	-
Bulk density	450	kg/m ³	-
Density	940	kg/m ³	ASTM D 792

Material specific properties

	Value	Unit	Test Standard
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ISO Data

Viscosity number	1850	cm ³ /g	ISO 307, 1157, 1628
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Characteristics**Delivery form**

Powder

Certifications

RoHS compliant

Special Characteristics

High impact or impact modified

Regional Availability

Europe, Asia Pacific

Features

Tribologic Grade