Polimaxx U511

(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	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	**126**	°C	ISO 306
ASTM Data			
Melting Temperature	**132**	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	**930**	kg/m³	ISO 1183
Intrinsic Viscosity	**23**	dl/g	-
Bulk density	**400**	kg/m³	-

Characteristics

Delivery form
Powder

Special Characteristics
High impact or impact modified

Features
Tribologic Grade

Certifications
RoHS compliant

Regional Availability
Europe, Asia Pacific

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