

Product Texts

Lubricated, UV Resistant, Bio-based polyamide 5.6

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0116	mm/mm	ASTM D 955

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Strength	60	MPa	ISO 527
Strain at break	3.2	%	ISO 527
Flexural modulus, 23°C	2270	MPa	ISO 178
Flexural strength	115	MPa	ISO 178
Izod notched impact strength, +23°C	8	kJ/m ²	ISO 180/1A

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	257	°C	ISO 11357-1/-3

Other properties

	Value	Unit	Test Standard
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	240 - 250	°C	-
Mold temperature	40 - 90	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Additives

Lubricants

Special Characteristics

U.V. stabilized or stable to weather

Certifications

Contains renewable resources

Regional Availability

North America, Europe, South and Central America