

Product Texts

30% glass fibre reinforced and heat stabilized PA 66 grade

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	10000 / 6200	MPa	ISO 527
^[C] Stress at break	180 / 110	MPa	ISO 527
^[C] Strain at break	3 / 7	%	ISO 527
^[C] Charpy impact strength, +23°C	90 / 95	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	60 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	10 / 18	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	7 / -	kJ/m ²	ISO 179/1eA

ASTM Data			
Tensile Strength at Yield	150 / -	MPa	ASTM D 638
Elongation at Break	4.5 / -	%	ASTM D 638
Flexural Modulus	9763 / -	MPa	ASTM D 790
Flexural Strength	230 / -	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64.1 / -	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	254	°C	ASTM D 648
DTUL @ 264 psi	238	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1380	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	290 - 310	°C	-
Mold temperature	60 - 100	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Granules

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information

Injection molding

PREPROCESSING; Pretreatment

Predrying: 4-6h / 80°C

PROCESSING ;Processing:

Melttemperature	290 - 310	°C
Mouldtemperature	60 - 100	°C