

Product Texts

25% mineral and 15% glass fibre reinforced PA 66 compound

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8300 / 5000	MPa	ISO 527
^[C] Stress at break	120 / 80	MPa	ISO 527
^[C] Strain at break	2.5 / 6.5	%	ISO 527
^[C] Charpy impact strength, +23°C	40 / 58	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	36 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / 5	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3 / -	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Break	130 / -	MPa	ASTM D 638
Elongation at Break	3 / -	%	ASTM D 638
Flexural Modulus	8991 / -	MPa	ASTM D 790
Flexural Strength	170 / -	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4 / -	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	245 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	236 / *	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.0 / *	mm	-
Yellow Card available	yes / *	-	-
ASTM Data			
DTUL @ 66 psi	254	°C	ASTM D 648
DTUL @ 264 psi	225	°C	ASTM D 648

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1440 / -	kg/m ³	ISO 1183
Density	1470	kg/m ³	ASTM D 792

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Viscosity number	140 / *	cm ³ /g	ISO 307, 1157, 1628

[C]: CAMPUS

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	-

