PRET

Technical Datasheet

Ver.2021.01

Trademark	Material PP-T10	Grade C4221T-BD

Features	• High Stiffness • High Heat Stability • Excellent Comprehensive Properties
Specification	• DBL 5404.88
Origin	• North America/Asia-Pacific
Processing	• Injection Molding
Appearance	• Colors Optional
Applications	• Automotive Application

General Properties

No.	Properties	Typical Value	Units	Methods	Test Conditions
1	Melt Flow Rate	15	g/10min	ISO 1133-1	230℃×2.16kg
2	Density	0.98	g/cm^3	ISO 1183-1	
3	Tensile Strength at Max Load	34	MPa	ISO 527-2	50mm/min
4	Impact Strength	40	kJ/m^2	ISO 179-1	23℃
5	Notched Impact Strength	4	kJ/m^2	ISO 179-1	23℃
6	Tensile Modulus	2500	MPa	ISO 527-2	1mm/min
7	Flexural Strength	43	MPa	ISO 178	2mm/min
8	Flexural Modulus	2400	MPa	ISO 178	2mm/min
9	Filler Content	10	%	ISO 3451-1	

Processing Conditions[2]

Drying Cond	80-100℃ * 2h
Molding Temp.	230-210 ℃(F) 220-200 ℃(M) 200-180 ℃(B)
Injection Speed	Low to Medium
Injection Pressure	50-80 MPa
Back Pressure	0.3-1.0 MPa
Mold Temp	20-60 ℃
Moisture Control	0.1

Note 1:Typical value could not be defined as minimum value.

Note 2:The above processing conditions are for reference only. Please make appropriate adjustments based on product structure and require ments, model of the machine and injection environment.

PRET Advanced Materials, LLC

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