



Technical Datasheet

Ver.2021.01

Trademark	Material	PP-T30	Grade	A5133T
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Features	<ul style="list-style-type: none"> • High Heat Resistance • High Rigidity • Excellent Comprehensive Properties
Specification	•
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	12	g/10min	ISO 1133-1	230°C×2.16kg
2	Density	1.15	g/cm ³	ISO 1183-1	
3	Tensile Strength at Max Load	30	MPa	ISO 527-2	50mm/min
4	Notched Impact Strength	3	kJ/m ²	ISO 179-1	23°C
5	Flexural Modulus	3000	MPa	ISO 178	2mm/min,64mm
6	Filler Content	30	%	ISO 3451-1	
7	Heat Deflection Temp.	120	°C	ISO 75-2	0.45MPa,120°C/h
8	Melt Temp.	166	°C	ISO 3146	
9	Flammability (Burn Rate)	36	mm/min	GB 8410	

Processing Conditions²

Drying Cond	80-100°C * 2h
Molding Temp.	230-210 °C(F) 220-200 °C(M) 200-180 °C(B)
Injection Speed	Low to Medium
Injection Pressure	50-80 MPa
Back Pressure	0.3-1.0 MPa
Mold Temp	20-60 °C
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 requirements, model of the machine and injection environment.

PRET Advanced Materials, LLC

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