Shanghai PRET Composite Co.,Ltd.
Wellman Advanced Materials,LLC.

Technical Datasheet

Ver.2018

Material Type PA66	**Grade Name** D222-G35

Features	• High Rigidity • High Heat Resistance • Good Weather Resistance
Material Standard	
Availability	North America/Asia-Pacific
Process Method	Injection Molding
Appearance	Colors Optional
Applications	Automotive Application,Tools, Power & Others

General Properties

No.	Properties	Methods	Units	Values	Test Conditions
1	Density	ISO 1183-1	g/cm^3	1.41	
2	Tensile Strength at Max Load	ISO 527-2	MPa	200	5mm/min
3	Notched Impact Strength	ISO 179-1	kJ/m^2	14	23℃
4	Notched Impact Strength	ISO 179-1	kJ/m^2	10	-30℃
5	Filler Content	ISO 3451-1	%	35	
6	Elongation at Break	ISO 527-2	%	3	5mm/min
7	Tensile Modulus	ISO 527-2	MPa	11000	1mm/min
8	Flexural Strength	ISO 178	MPa	295	2mm/min
9	Flexural Modulus	ISO 178	MPa	9800	2mm/min
10	Impact Strength	ISO 179-1	kJ/m^2	85	23℃
11	Heat Deflection Temp.	ISO 75-2	℃	245	1.8MPa,120℃/h
12	Heat Deflection Temp.	ISO 75-2	℃	250	0.45MPa,120℃/h
13	Melt Temp.	ISO 11357-3	℃	262	

Processing Conditions

Drying Cond.	• 110-130℃ * 4-6h	Moisture Control	• <0.1
Injection Temp.	• 275-295 °C(F), 275-300 °C(M), 270-290 °C(B)		
Injection Speed	• Medium to High		
Injection Pressure	• 40-110 MPa		
Back Pressure	• 0-5 MPa		
Mold Temp.	• 110-130 ℃		

Note：The technical data above are authentic and reliable for reference.These value cannot be defined as the minimal performance value.