

Vydyne® A 25 GF BLACK TT/C

polyamide 66



VYDYNE A 25 GF BLACK TT/C is a glass fiber reinforced with 25% glass fiber PA66. It is suitable for extrusion and thermal break applications.

General

Regional Availability	• North America • South and Central America	• Europe • Near East/Africa	• Asia Pacific
Features	• General Purpose • Good Rigidity • High Viscosity	• Good Impact Strength • Good Stiffness	• Good Processability • Good Toughness
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Profile Extrusion		

Physical	dry	cond.	Unit	Test Standard
Density	1.30	-	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 23°C, 2.00 mm	0.9	*	%	
Flow : 23°C, 2.00 mm	0.5	*	%	
Water Absorption				ISO 62
Equilibrium, 23°C, 50% RH	1.4	*	%	

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	7800	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	135	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.5	-	%	ISO 527-2

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	10	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	60	-	kJ/m ²	ISO 180/1U

Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature				ISO 75-2/A
1.80 MPa, Unannealed	230	-	°C	
0.45 MPa, Unannealed	240	-	°C	
Melting Temperature	260	*	°C	ISO 11357-3

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Electrical	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	575	V	IEC 60112
Flammability	Value	Unit	Test Standard
Flammability			UL 94
0.800 mm	HB	-	
1.60 mm	HB	-	
Glow Wire Flammability Index, 0.200 mm	650	°C	IEC 60695-2-12
Injection	Value	Unit	
Drying Temperature	85 - 95	°C	
Drying Time	≥ 3	h	
Extrusion	Value	Unit	
Cylinder Zone 1 Temp	255 - 275	°C	
Cylinder Zone 2 Temp	255 - 285	°C	
Cylinder Zone 3 Temp	255 - 295	°C	
Cylinder Zone 4 Temp	255 - 300	°C	
Cylinder Zone 5 Temp	255 - 310	°C	
Melt temperature	255 - 275	°C	
Die temperature	255 - 275	°C	

