



PA66-1 G35 31 HS

Nylon 6/6 35% Glass Reinforced Heat Stable (Black or Natural)

Physical	Units	English System	Metric System	Comments (ASTM)
Melt Flow	g/10 min	N/A	N/A	D1238
Reinforcement/Filler	% (ash)	35	35	D2584
Density	lb/in ³ (gr/cc)	1.41	1.41	D792
Mechanical				
Tensile Strength	psi (Mpa)	31,500	217	D638
Tensile Elongation	%	3.0	3.5	D638
Flexural Strength	psi (Mpa)	45,000	310	D790
Flexural Modulus	psi (Mpa)	1,550,000	10687	D790
Izod Impact Strength	ft lbs/in (j/m)	1.7	91	D256
Thermal				
Melting Point	F (°C)	500 (260)	500 (260)	D3418
Heat Deflection Temp	@264 psi	F (°C)	482 (250)	D648
	@66 psi	F (°C)	482 (250)	D648
Processing Information				
Drying Time @ 180 °F	Hrs	2-4	2-4	
Max Moisture	%	0.12	0.12	
Min Moisture	%	0.05	0.05	
Melt Temperatures	F (°C)	530 - 560	276 - 300	
Mold Temperatures	F (°C)	180 - 190	82 - 87	

All values displayed on this information sheet are results of data gathered during a conditioned controlled laboratory testing. Laboratory conditions and production condition differences should be taken into consideration when designing parts and/or tooling and/or any other design criteria. Vidal Plastics does not guarantee the accuracy of this information nor the impact of this information during regular processing and production of parts and pieces.