



PA6-3 GR33 18 BK

Nylon 6 Industrial Grade 33% Glass Reinforced Black

Physical	Units	English System	Metric System	Comments (ASTM)
Melt Flow	g/10 min	N/A	N/A	D1238
Reinforcement/Filler	% (ash)	30	30	D2584
Density	lb/in ³ (gr/cc)	1.35	1.35	D792
Mechanical				
Tensile Strength	psi (Mpa)	18,000	124	D638
Tensile Elongation	%	2	2	D638
Flexural Strength	psi (Mpa)	29,000	200	D790
Flexural Modulus	psi (Mpa)	1,000,000	6895	D790
Izod Impact Strength	ft lbs/in (j/m)	0.8	43	D256
Processing Information				
Drying Time @ 180 °F	Hrs	2-4	2-4	
Max Moisture	%	0.12	0.12	
Melt Temperatures	F (°C)	480 - 540	245 - 280	
Mold Temperatures	F (°C)	480 - 540	245 - 280	

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.

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