



**Siccus**  
**PA6-21 BK**

Nylon 6 Unfilled General Purpose Black

<b>Physical</b>	<b>Units</b>	<b>English System</b>	<b>Metric System</b>	<b>Comments (ASTM)</b>
Melt Flow	g/10 min	NA	NA	D1238
Reinforcement/Filler	% (ash)	NA	NA	D2584
Density	lb/in <sup>3</sup> (gr/cc)	1.13	1.13	D792
<b>Mechanical</b>				
Tensile Strength	psi (Mpa)	12,300	85	D638
Tensile Elongation	%	50	50	D638
Flexural Strength	psi (Mpa)	15,600	108	D790
Flexural Modulus	psi (Mpa)	397,500	2741	D790
Izod Impact Strength	ft lbs/in (j/m)	1.03	55	D256
<b>Processing Information</b>				
Melt Temperatures	F (°C)	520-560	271-293	
Mold Temperatures	F (°C)	80-140	27-60	

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, LLC. 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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