



**Insignis**

**ABS12 0306 BK**

ABS General Purpose Regular Melt Flow Black

Physical	Units	English System	Metric System	Comments (ASTM)	
Melt Flow	g/10 min	20 10kgs/220°C	20 10kgs/220°C	D1238	
	g/10 min	6 3.8kgs/230°C	6 3.8kgs/230°C	D1238	
Reinforcement/Filler	% (ash)	N/A	N/A	D2584	
Density	lb/in <sup>3</sup> (gr/cc)	1.04	1.04	D1505	
<b>Mechanical</b>					
Tensile Strength	@ Yield	psi (Mpa)	5,000	34	D638
Tensile Elongation	@ Break	%	15	20	D638
Flexural Strength		psi (Mpa)	9,000	62	D790
Flexural Modulus		psi (Mpa)	300,000	2069	D790
Izod Impact Strength		ft lbs/in (j/m)	3	160	D256
<b>Processing Information</b>					
Melt Temperatures		F (°C)	350-450	180-230	
Mold Temperatures		F (°C)	120-140	50-60	

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 does not guarantee the accuracy of this information nor the impact of this information during regular processing and production of parts and pieces.

Vidal Plastics, LLC - 616 N Norman Ave - Evansville, IN - 47711  
 ph. 812-492-4330 / fax 812-645-3868 / info@vidalplastics.com