



Insignis

ABS11 0622 NA

ABS Prime Grade General Purpose Natural (Equivalent to GP22)

Physical		Units	English System	Metric System	Comments (ASTM)
Melt Flow	220 C/10 kgs	g/10 min	20	20	D1238
	230 C/3.8 Kg	g/10 min	5	5	D1238
Reinforcement/Filler		% (ash)	N/A	N/A	D2584
Density		lb/in ³ (gr/cc)	1.04	1.04	D1505
Mechanical					
Tensile Strength	@ Yield	psi (Mpa)	6,700	46	D638
Tensile Elongation	@ Break	%	20	20	D638
Flexural Strength		psi (Mpa)	10,500	72	D790
Flexural Modulus		psi (Mpa)	340,000	2344	D790
Izod Impact Strength		ft lbs/in (j/m)	5.7	304	D256
Processing Information					
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