



Amplus

PC12 1020 BK

Polycarbonate General Purpose Black

Physical	Units	English System	Metric System	Comments (ASTM)
Melt Flow	g/10 min	20	20	D1238
Reinforcement/Filler	% (ash)	0	0	D2584
Density	lb/in ³ (gr/cc)	1.2	1.2	D792
Mechanical				
Tensile Strength @ Break	psi (Mpa)	8000	55	D638
Tensile Elongation @ Break	%	80	80	D638
Flexural Strength	psi (Mpa)	11000	76	D790
Flexural Modulus	psi (Mpa)	300000	2069	D790
Izod Impact Strength	ft lbs/in (j/m)	10	534	D256
Processing Information				
Melt Temperatures	F (°C)	480-580	240-300	
Mold Temperatures	F (°C)	120-220	50-100	

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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