

# EnCore 0208

ABS



Product Description						
ABS High Impact						
General Properties						
Appearance	Black, Natural or Colors					
Processing Methods	Injection Molding, Profile Extrusion, Sheet Extrusion, Thermoforming					
Applications	Vault Liners, Cases, Small Vehicles, Luggage, Signs					
Mechanical Properties		Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	6,300	psi	43	MPa	
Tensile Elongation @ Break	ISO 527-2	20	%	20	%	
Flexural Modulus	ASTM D790	370,000	psi	2,552	MPa	
Notched Izod Impact (73°F)	ASTM D256	8.0	ft-lb/in	427	J/m	
Physical Properties		Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.04	sp gr	1.04	sp gr	
Melt Flow Rate (220°C/10.0 kg)	ISO 1133	5.0	g/10min	5.0	g/10min	
Mold Shrink - Flow: 0.126 in (3.20 mm)	Internal Method	0.004 - 0.007	in/in	0.004 - 0.007	mm/mm	
Thermal Properties		Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	203	°F	95	°C	
Heat Deflection Temperature @ 264 psi	ASTM D648	180	°F	82	°C	

These Data Sheet Values are Typical Values and are not intended for specification purposes. These values should only be used as a guide and no assurances by EnCom, Inc. can be granted that all molded articles will exhibit duplicate properties as those listed above. Each material user should perform their own testing for suitability.

EnCom Polymers, Inc.

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