

AuroraGuard™ 0208Aurora Material Solutions, LLC - *Acrylonitrile Butadiene Styrene***General Information****Product Description**

ABS High Impact

Formerly known as EnCore 208

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Impact Resistance		
Uses	• Automotive Applications	• Luggage	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding • Profile Extrusion	• Sheet Extrusion • Thermoforming	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage - Flow (0.126 in)	4.0E-3 to 7.0E-3	in/in	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6240	psi	ASTM D638
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	370000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	8.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	203	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	180	°F	ASTM D648

