

Dayson Polymers, LLC
ABS PORENE® GA800TW Property Data Sheet
Acrylonitrile Butadiene Styrene
High Gloss/Weather Resistant/Antistatic Grade

Property	Test Condition	Test Method ASTM	Metric Units	Value	US Units	Value
Mechanical						
Tensile Strength	23°C	D638	kg/cm ²	530	psi	7,537
Flexural Strength	23°C	D790	kg/cm ²	720	psi	10,238
Flexural Modulus	23°C	D790	kg/cm ² X 10 ⁴	2.40	psi X 10 ⁴	34.1
Rockwell Hardness	¼" @ 23°C	D785	R-Scale	118		
Thermal						
Heat Distortion Temperature	¼" @ 18.6kg/cm ²	D648	°C	87	°F	189
	¼" @ 4.6kg/cm ²	D648	°C	96	°F	205
Impact						
Izod Notched Impact	¼" @ 23°C	D256	kg-cm/cm	27	ft-lb/in	6.21
Physical						
Melt Flow Index	220°C,10kg	D1238	g/10min	20		
Density g/cc		D792		1.05		
Flame Class						
Flammability		UL-94		HB		HB

APPLICATION: INJECTION MOLDING; ANTISTATIC; WEATHER RESISTANT HOUSING OF ELECTRICAL APPLIANCES
e.g. ELECTRIC FAN, TELEPHONE, CALCULATOR, TOYS

PROCESSING TEMPERATURE 190 – 240 °C (374 – 464 °F)

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