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GHAED BASSIR PETROCHEMICAL COMPANY

## ACRYLONITRILE BUTADIENE STYRENE - ABS GH500

ABS GH500 is a super high heat-resistant ABS copolymer engineered for demanding applications exposed to elevated temperatures. It maintains its mechanical strength and dimensional stability under thermal stress, making it a premier choice for automotive and electrical components.

Producer	Applications
Ghaed Bassir	It is ideal for injection molding high-heat automotive parts like under-the-hood components and electrical housings such as enclosures and switchgear.

Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
Izod Impact	KJ/m <sup>2</sup>	16	ASTM D-256
Melt Flow Index	gr/10 min	8	ASTM D-1238
Rockwell Hardness	Rockwell	108	ASTM D-785
Heat Deflection Temp	°C	105	ASTM D-648
Vicat Softening Temp	°C	120	ASTM D-1525
Tensile Strength	Kg/cm <sup>2</sup>	420	ASTM D-638
Tensile Elongation	%	14	ASTM D-638
Flexural Strength	Kg/cm <sup>2</sup>	700	ASTM D-790
Flexural Modulus	Kg/cm <sup>2</sup>	19000	ASTM D-790
Specific Gravity	g/cm <sup>3</sup>	1.05	ASTM D- 792
Molding Shrinkage	%	0.4-0.7	ASTM D-955
Flammability	-	HB	ASTM UL 94