



Technical Data Sheet
PLATINUM PHASE SDN. BHD (701635-A)
Consistent Quality & Innovative Creation

PLATINUM PHASE
ACRYLONITRILE BUTADIENE STYRENE RESIN

General Information

• **Description**

Platinum Phase Acrylonitrile Butadiene Styrene (ABS) resin is a RoHS compliance economical recycled plastic material that has excellent surface appearance, high impact, tensile and flexural strength, and plastic modulus, as well as easy processing versatility. It is available in white, black, and other colour.

• **Applications**

Home appliances, structural components, support blocks, housings, covers

Typical properties

Test properties	Test Method	Unit	Typical value
Physical			
Specific Gravity	ASTM D792	-	1.06 - 1.09
Melt Flow Rate, 220°C/10kg	ASTM D1238	g/10min	24 – 25
Mechanical			
IZOD Impact Strength, Notch, 3.2mm, 23°C	ASTM D256	Kg-cm/cm	10 - 12
IZOD Impact Strength, Unnotch, 3.2mm, 23°C	ASTM D256	Kg-cm/cm	60 - 62
Tensile Modulus, 50mm/min, 23°C	ASTM D638	kgf/cm ²	22,000 – 23,000
Tensile Strength, yield, 50mm/min, 23°C	ASTM D638	kgf/cm ²	325 - 328
Elongation at Yield, 50mm/min, 23°C	ASTM D638	%	1.8 - 2.0
Elongation at Break, 50mm/min, 23°C	ASTM D638	%	15 - 18

Note: The information contained herein are typical values only and shall not be construed as specifications. User should confirm results by their own tests.



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