



## TECHNICAL DATASHEET

Code : FOR.QUA.06  
Version : 00  
Date of application : 01-11-2018

### HERMASTYRENE ABS 4000

Product Description: Thermoplastic; ABS Polymer; Acrylonitrile Butadiene Styrene (ABS), High gloss, medium impact.

Properties	Condition	Min/Max	Units	Standards
<b>Physical properties</b>				
Density	23°C	1.05-1.06	g/cm <sup>3</sup>	ISO1183
Melt –Flow-Index			-	ISO1133
Humidity	110°C	0.1-0.2	%	ISO15512
Ash Content	625°C	-	%	ISO 1172
<b>Mechanical properties</b>				
Tensile modulus	50mm/min	-	MPa	ISO 527-2
Tensile stress at break	5mm/min	35-37	MPa	ISO 527-2
Elongation at break	5mm/min	20	%	ISO 527-2
Flexural modulus	2mm/min	2200	MPa	ISO 178
Flexural strength	5mm/min	75-77	MPa	ISO 178
Izod impact strength	5J	NB	Kj/m <sup>2</sup>	ISO180
Izod notched impact strength	5J	8.5	Kj/m <sup>2</sup>	ISO180
Charpy impact strength	5.5J	NB	Kj/m <sup>2</sup>	ISO179/1eU
Charpy notched impact strength	5.5J	1.5	Kj/m <sup>2</sup>	ISO179/1eA
<b>Thermal properties</b>				
Melting and crystallization temperature	10°C/min	-	°C	ISO11357-3
HDT /A Heat deflection temperature	1.8MPa	88	°C	ISO 75/1-2
HDT/B Heat deflection temperature	0.45MPa	-	°C	ISO 75/1-2
Vicat : Softening point of materials	50°C/hr	100	°C	ISO 306
<b>Electrical properties</b>				
Surface resistivity	-	-	Ohm-cm	IEC 60093
Volume resistivity	-	-	Ohm-cm	IEC 60093
<b>Flammability</b>				
Flammability	1.59mm	HB	CLASS	UL94

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### Characteristics

- \*Delivery from  
Pellets,natural color
- \*Chemical resistance  
General chemical resistance
- \*Applications : injection molding  
Automotive,electrical and electronical,generalpurpose.

### Processing Properties :

Suggested drying conditions : 80°C-90°C  
Melt Temperature : 200°C-280°C  
Mold Temperature : 25°C-80°C

### Packaging & delivery

PP bag : 25kg/bag (pallet 1000kg)  
Note to avoid moisture,insolationand breakage in transportation  
Delivery detail :30 days

### **Contact :**

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