



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
Physical properties				
Density	23°C	1.05-1.06	g/cm ³	ISO1183
Melt –Flow-Index			-	ISO1133
Humidity	110°C	0.1-0.2	%	ISO15512
Ash Content	625°C	-	%	ISO 1172
Mechanical properties				
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 ²	ISO180
Izod notched impact strength	5J	8.5	Kj/m ²	ISO180
Charpy impact strength	5.5J	NB	Kj/m ²	ISO179/1eU
Charpy notched impact strength	5.5J	1.5	Kj/m ²	ISO179/1eA
Thermal properties				
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
Electrical properties				
Surface resistivity	-	-	Ohm-cm	IEC 60093
Volume resistivity	-	-	Ohm-cm	IEC 60093
Flammability				
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, general purpose.

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, insulation and breakage in transportation

Delivery detail : 30 days

Contact :

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