HERMESS COMPOUNDS	**TECHNICAL DATASHEET**	Code : FOR.QUA.06 Version : 00 Date of application : 01-11-2018

HERMASTYRENE PS 5000

Product Description: Thermoplastic; Polystyrene (PS); Molded; Unreinforced.

Properties	Condition	Min/Max	Units	Standards
Physical properties				
Density	23°C	1.04-1.05	g/cm3	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	50mm/min	40-42	MPa	ISO 527-2
Elongation at break	50mm/min	4	%	ISO 527-2
Flexural modulus	2mm/min	3000	MPa	ISO 178
Flexural strength	5mm/min	75-77	MPa	ISO 178
Izod impact strength	5J	8-9	Kj/m2	ISO180
Izod notched impact strength	5J	2-3	Kj/m2	ISO180
Charpy impact strength	5.5J	9-10	Kj/m2	ISO179/1eU
Charpy notched impact strength	5.5J	2-4	Kj/m2	ISO179/1eA
Thermal properties				
Melting and crystallization temperature	10°C/min	-	°C	ISO11357-3
HDT /A Heat deflection temperature	1.8MPa	77	°C	ISO 75/1-2
HDT/B Heat deflection temperature	0.45MPa	-	°C	ISO 75/1-2
Vicat : Softening point of materials	-	92	°C	ISO 306
Electrical properties				
Surface resistivity	-	-	Ohm-cm	IEC 60093
Volume resistivity	-	-	Ohm-cm	IEC 60093
Flammability				
Flammability	HB		CLASS	UL94

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Application

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

Recommended Addition Ratio

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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The information contained herein is based on our current knowledge and experience.A legally binding promise of certain characteristics or suitability for a concrete individual case cannot be derived from this information.The information here is not intended to release processors and users from the responsibility of carrying out their own tests and inspections in each concrete individual case.

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