

TERISTIR

Polystyrene	Conditions	Test Method	Units	TERISTIR GPI0	TERISTIR HI10
Physical Properties					
Melt flow index	220°C 5 kg	ASTM D 1238	g/10 min	10	10
Density	23°C	ASTM D 792	g/cm ³	1.05	1.05
Linear Shrinkage	-	ASTM D 955	%	0,4-0,6	0,4-0,7
Mechanical Properties					
Tensile strength at yield	-	ASTM D 638	Mpa	-	16
Tensile strength at break	-	ASTM D 638	Mpa	40	22
Tensile elongation at break	-	ASTM D 638	%	2	50
Flexural Modulus	-	ASTM D 790	Mpa	3300	2000
Notched impact strength	23°C	ASTM D 256	J/m	20	90
Notched impact strength	0°C	ASTM D 638	J/m	-	60

Polystyrene	Conditions	Test Method	Units	TERISTIR GPI0	TERISTIR HII0
Thermal Properties					
Vicat softening point	9,8N 50°C/hour	ASTM D 1525	°C	93	95
Vicat softening point	49 N 50°C/hour	ASTM D 1525	°C	84	86
Flame Resistance					
At-Fire behaviour	thickness 1,6mm	UL 94	Class	HB	HB
At-Fire behaviour	thickness 3,2mm	UL 94	Class	HB	HB
Glow wire test	thickness 2,0mm	I.E.C. 695-2-1	°C	650	650

**TERISTIR
GPI0**

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HII0**

Features	Appliances	Features	Appliances
<ul style="list-style-type: none"> • PS crystal with good melt flow rate. • general purpose. • stiffness gloss. • excellent transparency. 	<ul style="list-style-type: none"> • Packaging for cosmetics • household goods • Packaging 	<ul style="list-style-type: none"> • PS with high impact resistance. • general purpose. • good melt flow rate. • good flexibility. 	<ul style="list-style-type: none"> • Office articles. • stationery articles. • TV shell.

All ASP products can be formulated and implemented according to specific requirements of the customer, including staining.
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