High Impact Polystyrene grades specifications

ESTYRENICS

Property / Grade	Units	416	442	514	622	641
Melt Flow Volume	Cm^3/10 min	22	5.7	10	4.8	2.5
Tensile strength at break	Mpa	30	28	26	26	28
Charpy impact Strength	KJ/M^2	5	7	8	10	10
Vicat Softening T^o	C^o	80	94	85	90	96
Elongation	%	35	45	50	50	40
Flexural strength	Mpa	46	45	40	42	44
Tensile modulus	Mpa	2600	2450	2100	1700	1800
Specific gravity	-	1.04	1.04	1.03	1.03	1.03
Deflection T^o	C^o	71	85	74	82	87
Residual monomer	PPM	200	200	200	200	200
Applications		Various sheets, ice cream cups, housewares, food containers, radio cassettes, thick sheets, wall cabinet, massive food containers				