

Technical Data Sheets of Transparant ABS

PROPERTIES	UNIT	TEST METHOD ASTM Standard	LG TR 557	Samsung UT 0310 IU	Bhansali TIM 200	Bhansali TIM 250	Bhansali TIM 300
<b>PHYSICAL PROPERTY</b>							
SPECIFIC GRAVITY	-	D-792	1.09	1.08	1.09	1.09	1.08
MOULD SHRINKAGE	%	D-955	0.4-0.7	0.3-0.6	-	-	-
MELT FLOW INDEX	220 C/10 KG- g/10 min	D-1238	23	12	12	7	10
<b>MECHANICAL PROPERTY</b>							
TENSILE STRENGTH YIELD	kg/cm <sup>2</sup>	D-638	450	360	500	550	430
FLEXURAL MODULUS	kg/cm <sup>2</sup>	D-790	21500	16000	22000	24000	22000
FLEXURAL STRENGTH	kg/cm <sup>2</sup>	D-790	680	570	700	780	680
ROCKWELL HARDNESS	-	R-SCALE	106	95	110	112	108
IZOD IMPACT STRENGTH(NOTCHED)	1.8 mm - Kg.Cm/Cm	D-256	16	12	12	10	14
<b>THERMAL PROPERTY</b>							
HDT@ 1.8Mpa	°C	D-648	81	76	90	92	90
VICAT SOFTENING TEMPRATURE	°C	ISO R 306	85	89	-	-	-
<b>FLAMMABILITY</b>							
UL 94 CLASSIFICATION	-	UL94	HB	HB	HB	HB	HB
<b>OPTICAL</b>							
Transparancy	%	D-1003	90	90	-	-	-
Haze	%	D-1003	2.2	2	-	-	-