

TYPICAL PROPERTIES OF MSK[®] MMBS RESIN

Items	Properties	Unit	Testing Method	MSK		
				TSC-600	TSC-1600	TSC-3500 TSC-3500SL
Fundamental Properties	Melt flow rate	g/10min	D1238@(200/5)	5	4	5
	Light Transmission	%	D1003	92	92	92
	Haze(3.18mmt)		D1003	<2	<2	<2
	Specific gravity		D792	1.03	1.03	1.03
Mechanical Properties	Tensile strength at yield	psi	D638	4,200	5,510	4,350
	Tensile modulus	psi	D638	-	-	236,000
	Elongation at break	%	D638	10	45	95
	Izod notched impact strength	kg-cm/cm	D256	6	16	35
	Hardness	R Scale	D785 (Rockwell)	D79	D76	D80
	Flexural strength	psi	D790	13,500	10,442	7,250
	Flexural modulus	psi	D790	-	-	249,000
Thermal Properties	Vicat softening temp.	Deg. C	D1525	92	92	92
	Heat deflection temp. (Annealed)		D648 (18.6 kg/cm ²)	82	82	82
Others	Mold shrinkage	%	D955	0.2-06	0.2-0.6	0.2-0.6
	FDA compliance			Yes	Yes	Yes
	Flame Resistance		UL94HB	-	-	Yes
	Chemicals of high concern to children (CHCC)			-	Yes	-

- The listed values are measured by test specification and used for referential purpose only.

- MSK is a registered trademark of Dragon Asset Limited