

Polycarbonate (pc) have high impact strength, very good process ability, high heat resistance --- RTI up to 125

Application: Car front Lights, compound with ABS

Test Method	Unit	High Viscosity Molding and Extrusion	Medium Viscosity Molding & Extrusion	Low Viscosity
Mass Flow rate	g/10 min	1-4	4.1-12	12.1-18
Tensile yield strength	Mpa	> , =60	> , =60	> , =60
Tensile stress	Mpa	60-70	60-70	60-70
Elongation (strain) at break Value	%	>100	>90	>90
Guaranteed value Not less than	%	100.0	100,90	80
Charpy impact strenght				
Expected value	kJ/m2	35.00	30	25
Guaranteed value Not less than	kJ/m2	30.00	25	20
Dielectric strenght at 50 HZ				
Diameter 50 mm				
Thickness 2 mm	kv/mm	> , =20	> , =20	> , =20
Modulus of Eastisity	Mpa	2200-2400	2200-2400	2200-2400
Dietectric costant				
At 1 MHZ	---	2.8-3.1	2.8-3.1	2.8-3.1
Loss index				
At 1 MHZ	---	0.008-0.011	0.008-0.011	0.008-0.011
At 50 MHZ		0.0008-0.001	0.0008-0.001	0.0008-0.001
Degree of transmission				
Specimen	%	> , =88	> , =88	> , =88
Thickness 2 mm	%	> , =90	> , =90	> , =90
Expected				
Specific gravity	g/cm3	1.20	1.20	1.20
Ball indentation				
Hardness	n/mm2	> , =103	> , =103	> , =103
Vicat softning				
Temerature	C	145-150	145-150	145-150
Soivent content	ppm wt	500 max	500 max	
Ash content	ppm wt	50 max	50 max	