



TECHNICAL PROPERTIES FOR POM SHEET				
ITEM	METHOD		UNIT	VALUE
Mechanical Properties				
Specific gravity	ASTM D792		g/cm ³	1.43
Tensile yield strength	ASTM D638		Mpa	60.00
Breaking elongation	ASTM D638		%	30.00
Bending strength	ASTM 790		Mpa	100.00
Flexural modulus	ASTM 790		Mpa	2800.00
Shore hardness	ASTM D2240		D	85.00
Impact strength	ASTM D256		J/M	74.00
Thermal Properties				
Melting point	DSC		°C	165.00
Heat distortion temperature	ASTM D648		°C	130.00
Operating temperature	-		°C	100.00
Maximum operating temperature	-		°C	150.00
Thermal conductivity	DIN 52612-1		W/(K-M)	0.31
Coefficient of linear thermal expansion	ASTM D696		10 ⁻⁵ -1/K	13.00
Electrical Properties				
Dielectric strength	ASTM D150		KV-mm	19.00
Dielectric loss factor	ASTM D 150			0.01
Volume resistivity	ASTM D257		Ω.cm	1014.00
Surface resistivity	ASTM D 257		Ω	1016.00
Dielectric constant	ASTM D 149			3.70
Chemical Properties				
Water absorption	23°C 60%RH		%	
Acid resistance	23°C 60%RH		+	
Alkali resistance			+	
Acid and alkali resistance			+	
Resistance to sodium chlorate			0	
Resistance to aromatic compounds			+	
Resistance to ketone	23°C 60%RH			+
Resistance to hot water	23°C 60%RH			+
Others				
Flammability	UL 94			HB
Viscosity				
Non toxic +	EEC 90/128 FDA			+
Coefficient of friction	DIN53375			0.35
Anti-ultraviolet 0	-			0
Remarks:				
1. "+": positive "-": negative "0": depends.				
2. All the parameters above are based on raw material but not finished products,				

