CHANGZHOU RUNYI NEW MATERIAL IMPORT&EXPORT CO.,LTD
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Colour: SABIC Clear
Density: 1.20g/cm^3

Material Data Sheet

Mechanical Properties	Parameter	Value	Unit	DIN/EN/ISO
Tensile strength at yield	50mm/min	60	MPa	527
Tensile strength at break	50mm/min	70	MPa	527
Tensile strain at yield	50mm/min	6	%	527
Tensile strain at break	50mm/min	120	%	527
Flexural strength at yield	2mm/min	90	MPa	178
Modulus of elasticity (flexural test)	2mm/min	2300	MPa	178
Izod impact strength 23 °C	Notched	65	kJ/m^2	180/4A
Izod impact strength -30 °C	Notched	10	kJ/m^2	180/4A
Impact strength (Charpy)	Notched	35	kJ/m²	179/1C
Hardness	H358/30 95	95	Mpa	2039/1

Thermal Properties	Parameter	Value	Unit	DIN/EN/ISO
Vicat softening temperature	B/120	145	°C	306
HDT/Ae, 1.8 MPa edgew.	120*1*04/sp=100	127	^{0}C	75
Thermal conductivity	-	0.2	W/m.^{0}C	8302
Coeff. Of lin. Therm. Exp. Extr.	23-80 ^{0}C	7.00 E-05	1/^{0}C	11359-2
Ball pressure test	125 +2 ^{0}C	Passes	-	60695-10-2
Relative thermal index	Electrical Prop.	130	^{0}C	746B
Relative thermal index	Mech. Prop. With impact	125	^{0}C	746B
Relative thermal index	Mech. Prop. w/o impact	125	^{0}C	746B

Electrical properties	Parameter	Value	Unit	DIN/IEC
Volume resistivity	-	10E15	Ohm.cm	60093
Relative permittivity	50/60Hz	2.7	-	60250
Relative permittivity	1Mhz	2.7	-	60250
Dissipation factor	50/60Hz	0.001	-	60250
Dissipation factor	1Mhz	0.01	-	60250

Other properties	Parameter	Value	Unit	DIN/EN/ISO/IEC
Water absorption	50%RH / 23^{0}C	0.15	%	62
Water absorption	Saturation/23^{0}c	0.35	%	62
Light transmission	3mm	88	%	