



Guangzhou Ning E-Plastics Co.Ltd

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Properties	Standard	Unit	Result
mechanical property			
Density	ASTM D792	g/cm ³	1.13
Tensile strength	ASTM D638	Mpa	74
ultimate elongation	ASTM D638	%	5
bending strength	ASTM 790	Mpa	90
bending modulus	ASTM 790	Mpa	2200
hardness	ASTM D2240	D	85
Impact strength	ASTM D256	J/M	50
Thermal properties			
Melting poing	DSC	°C	220
working Temp.	ASTM D648	°C	70
Permanent Temp.	-	°C	85
Short-period Temp.	-	°C	160
Pyroconductivity	DIN 52612-1	W/(K-M)	0.23
dilatation coefficient	ASTM D696	10-5-1/K	8
electrical property			
dielectric strength	ASTM D150	KV-mm	25
dielectric loss coefficient	ASTM D150	-	0.032
Volume resistance	ASTM D257	Ω.cm	1014
surface resistance	ASTM D257	Ω	1016
dielectric constant	ASTM D149	-	4.2
Chemical properties			
Water absorption	23°C 60%RH	%	1.28
Acid resistance	23°C 60%RH		-
Alkali resistance			+
Resistance to acid and alkali water			+
Chloric acid alkali resistance			0
Resistant to aromatic compounds			+
The ketone resistance	23°C 60%RH		+
Water resistance	23°C 60%RH		+
Others properties			
combustibility	UL 94		HB
paste	-		+
Non-toxic harmless	EEC 90/128 FDA		+
friction coefficient	DIN 53375		0.36
uvioresistant	-		-

