

TESTREPORT BAKELITE

Product name: Phenolic molding compound No: black Injection molding					
Lot No.		Production Date 2023-5-5	Technical standard GB1404-2008		
		Summary of testing			
NO	Product characteristics	Reference	Lot No.	Lot No.	Lot No.
1	Density $\text{g/cm}^3 \leq$	1.60	1.51		
2	Liquidity (negotiated) mm		123		
3	Bending strength Mpa \geq	70	90		
4	Tensile breaking stress Mpa \geq	40	55		
5	Charpy impact strength $\text{kJ/m}^2 \geq$	5	7.5		
6	Charpy notched impact strength $\text{kJ/m}^2 \geq$	1.3	1.5		
7	Load thermal deformation temperature T_i $1.8^\circ\text{C} \geq$	160	175		
8	Flammability(BH)	-	-		
9	Dielectric loss factor $(\tan\delta)(100\text{Hz}) \leq$	0.1	0.01		
10	Volume resistivity $\Omega\cdot\text{cm} \geq$	10^{11}	1.3×10^{12}		
11	Surface resistivity $\Omega \geq$	10^{10}	1.4×10^{11}		
12	Electrical strength $\text{kV/mm} \geq$	28-32	30.5		
13	Proof tracking index PTI	-	-		
14	Hydrophilism mg \leq	100	45		
15	Combustibility (UL94)		V-0		
16	Moulding shrinkage %	0.3-0.9	0.41		
17	Product appearance	Passed	Passed		
Notes	The test sample is injection molded				

Approved by

Tested by

Test date 2023-5-8