

## EX-1020K

Type : Low volume resistivity

Identification mark : PA6-CD

Property	Test conditions	Standard	Unit	DAM	Conditioned (50%RH)	
MECHANICAL	Tensile stress at yield	ISO 527-1,-2	MPa	55	40	
	Tensile stress at break					
	Tensile modulus		%	2600	1200	
	Tensile strain at yield	4		10		
	Tensile strain at break	8	15			
	Flexural strength	ISO 178	MPa	80	40	
	Flexural modulus		MPa	2500	1100	
	Charpy impact strength	unnotched	ISO 179/1eU	kJ/m <sup>2</sup>	55	NB
	Charpy impact strength	notched	ISO 179/1eA		7	23
	Rockwell Hardness	R Scale	ISO 2039-2	—	110	80
THERMAL	Thermal conductive	ISO 18755	W/(m·K)			
	Planar direction					
	Thickness direction					
Coefficient of linear thermal expansion	flow transverse	ISO 11359-2	10 <sup>-4</sup> /°C			
Temperature of deflection under load	1.8MPa	ISO 75-1,-2	°C	70		
	0.45MPa			150		
ELECTRICAL	Volume resistivity	IEC 62631-3-1	Ω·m	10 <sup>1</sup>	10 <sup>1</sup>	
	Electric strength	t:1mm	IEC 60243-1	kV/mm		
	Relative permittivity	10 <sup>6</sup> Hz	IEC 62631-2-1	—		
	Dissipation factor	10 <sup>6</sup> Hz	IEC 62631-2-1	—		
	Comparative tracking Index		IEC 60112	—		
OTHERS	Density	ISO 1183	g/cm <sup>3</sup>	1.12		
	Water absorption	23°C,50%RH	ISO 62	%	2.0	
	Mold shrinkage	flow	UNITIKA Method 3mmt	%	1.0	
		transverse			1.2	
	MVR	275°C,5kg	ISO 1133	cm <sup>3</sup> /10min	1	
	Flammability	mmt	UL94 File No.E47924	—		
Mold conditions	Cylinder Temperature		°C	260-280		
	Mold temperature		°C	80-120		

The data listed here are typical of average lots and not guaranteed values .