

EX-1222

Type : High impact strength, low-temperature resistance

Identification mark : PA6-I

Property	Test conditions	Standard	Unit	DAM	Conditioned (50%RH)
MECHANICAL	Tensile stress at yield	ISO 527-1,-2	MPa	50	35
	Tensile stress at break				
	Tensile modulus		MPa	1900	710
	Tensile strain at yield		%	5	30
	Tensile strain at break			115	200<
	Flexural strength	ISO 178	MPa	65	30
	Flexural modulus		MPa	1800	700
	Charpy impact strength	ISO 179/1eU	kJ/m ²	NB	NB
	Charpy impact strength	ISO 179/1eA		65	NB
	Rockwell Hardness	ISO 2039-2	—		
THERMAL	Thermal conductive	Planar direction Thickness direction	ISO 18755	W/(m·K)	
	Coefficient of linear thermal expansion	flow transverse	ISO 11359-2	10 ⁻⁴ /°C	1.0
	Temperature of deflection under load	1.8MPa 0.45MPa	ISO 75-1,-2	°C	55 95
ELECTRICAL	Volume resistivity		IEC 62631-3-1	Ω·m	10 ¹³ 10 ¹²
	Electric strength	t:1mm	IEC 60243-1	kV/mm	42
	Relative permittivity	10 ⁶ Hz	IEC 62631-2-1	—	
	Dissipation factor	10 ⁶ Hz	IEC 62631-2-1	—	0.02
	Comparative tracking Index		IEC 60112	—	
OTHERS	Density		ISO 1183	g/cm ³	1.07
	Water absorption	23°C,50%RH	ISO 62	%	2.2
	Mold shrinkage	flow transverse	UNITIKA Method 3mmt	%	1.2 1.4
	MVR	275°C,5kg	ISO 1133	cm ³ /10min	50
	Flammability	mmt	UL94 File No.E47924	—	
Mold conditions	Cylinder Temperature			°C	250-270
	Mold temperature			°C	50-100

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