

RUN50

Type : Ultra-high rigidity, warping resistance, good appearance

Identification mark : PA6-(GF+MD)

	Property	Test conditions	Standard	Unit	DAM	Conditioned (50%RH)
MECHANICAL	Tensile stress at yield		ISO 527-1,-2	MPa	220	170
	Tensile stress at break					
	Tensile modulus			MPa	22700	16500
	Tensile strain at yield			%	2	2
	Tensile strain at break					
	Flexural strength		ISO 178	MPa	385	280
	Flexural modulus			MPa	21600	16000
	Charpy impact strength	unnotched	ISO 179/1eU	kJ/m ²		
	Charpy impact strength	notched	ISO 179/1eA		14	15
	Rockwell Hardness	R Scale	ISO 2039-2	—	120	
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		
	Temperature of deflection under load	1.8MPa 0.45MPa	ISO 75-1,-2	°C	200 215	
ELECTRICAL	Volume resistivity		IEC 62631-3-1	Ω·m		
	Electric strength	t:1mm	IEC 60243-1	kV/mm		
	Relative permittivity	10 ⁶ Hz	IEC 62631-2-1	—		
	Dissipation factor	10 ⁶ Hz	IEC 62631-2-1	—		
	Comparative tracking Index		IEC 60112	—		
OTHERS	Density		ISO 1183	g/cm ³	1.76	
	Water absorption	23°C,50%RH	ISO 62	%	1.0	
	Mold shrinkage	flow transverse	UNITIKA Method 3mmt	%	0.1 0.3	
	MVR	275°C,5kg	ISO 1133	cm ³ /10min		
	Flammability	mmt	UL94 File No.E47924	—		
Mold conditions	Cylinder Temperature			°C	260-280	
	Mold temperature			°C	80-130	

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