

# E-RUNG60LW

Type : Ultra-high rigidity, warping resistance

Identification mark : PA66-GF60

Property	Test conditions	Standard	Unit	DAM	Conditioned (50%RH)	
MECHANICAL	Tensile stress at yield	ISO 527-1,-2	MPa	270	235	
	Tensile stress at break					
	Tensile modulus		MPa			21600
	Tensile strain at yield		ISO 527-1,-2	%	2	2
	Tensile strain at break					
	Flexural strength		ISO 178	MPa	390	330
	Flexural modulus			MPa	21000	18000
	Charpy impact strength	unnotched	ISO 179/1eU	kJ/m <sup>2</sup>	18	19
	Charpy impact strength	notched	ISO 179/1eA			
	Rockwell Hardness	R Scale	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 <sup>-4</sup> /°C		
	Temperature of deflection under load	1.8MPa 0.45MPa	ISO 75-1,-2	°C	250	
ELECTRICAL	Volume resistivity		IEC 62631-3-1	Ω·m	10 <sup>14</sup>	
	Electric strength	t:1mm	IEC 60243-1	kV/mm		
	Relative permittivity	10 <sup>6</sup> Hz	IEC 62631-2-1	—	4.8	4.9
	Dissipation factor	10 <sup>6</sup> Hz	IEC 62631-2-1	—	0.015	0.02
	Comparative tracking Index		IEC 60112	—		
OTHERS	Density		ISO 1183	g/cm <sup>3</sup>	1.73	
	Water absorption	23°C,50%RH	ISO 62	%	0.7	
	Mold shrinkage	flow transverse	UNITIKA Method 3mmt	%	0.1 0.2	
	MVR	275°C,5kg	ISO 1133	cm <sup>3</sup> /10min		
	Flammability	0.8mmt	UL94 File No.E47924	—	HB	
Mold conditions	Cylinder Temperature			°C	270-290	
	Mold temperature			°C	80-120	

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