

EX-9215G30

Type : 30% Glass fiber-reinforced, high impact strength

Identification mark : PA6-I-GF30

Property	Test conditions	Standard	Unit	DAM	Conditioned (50%RH)	
MECHANICAL	Tensile stress at yield	ISO 527-1,-2	MPa	130	90	
	Tensile stress at break					
	Tensile modulus		%	8000	4900	
	Tensile strain at yield					
	Tensile strain at break		MPa	210	130	
	Flexural strength					
	Flexural modulus	MPa	7600	4300		
	Charpy impact strength				unnotched	ISO 179/1eU
	Charpy impact strength	notched	ISO 179/1eA			
	Rockwell Hardness	R Scale	ISO 2039-2	—		
THERMAL	Thermal conductive	Planar direction	W/(m·K)			
		Thickness direction				ISO 18755
	Coefficient of linear thermal expansion	flow transverse	ISO 11359-2	10 ⁻⁴ /°C		
Temperature of deflection under load	1.8MPa	ISO 75-1,-2	°C	200		
	0.45MPa			205		
ELECTRICAL	Volume resistivity	IEC 62631-3-1	Ω·m	10 ¹³	10 ¹²	
	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	1.32		
	Water absorption	23°C,50%RH	ISO 62	%	1.7	
	Mold shrinkage	flow	UNITIKA Method 3mmt	%	0.5	
		transverse			0.8	
	MVR	275°C,5kg	ISO 1133	cm ³ /10min	8	
	Flammability	1.6mmt	UL94 File No.E47924	—	HB	
Mold conditions	Cylinder Temperature		°C	260-280		
	Mold temperature		°C	50-100		

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