

A3130HR-25

Type : 25% Mineral filler-reinforced

Identification mark : PA6-MD25

Property	Test conditions	Standard	Unit	DAM	Conditioned (50%RH)
MECHANICAL	Tensile stress at yield	ISO 527-1,-2	MPa	70	50
	Tensile stress at break				
	Tensile modulus		MPa	5400	2700
	Tensile strain at yield		%	4	5
	Tensile strain at break				
	Flexural strength	ISO 178	MPa	125	60
	Flexural modulus		MPa	4500	2200
	Charpy impact strength	ISO 179/1eU	kJ/m ²	52	65
	Charpy impact strength	ISO 179/1eA		3	5
	Rockwell Hardness	ISO 2039-2	—	119	98
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	0.5
	Temperature of deflection under load	1.8MPa 0.45MPa	ISO 75-1,-2	°C	115 195
ELECTRICAL	Volume resistivity		IEC 62631-3-1	Ω·m	10 ¹³ 10 ¹¹
	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	1.33
	Water absorption	23°C,50%RH	ISO 62	%	2.1
	Mold shrinkage	flow transverse	UNITIKA Method 3mmt	%	0.8 0.9
	MVR	275°C,5kg	ISO 1133	cm ³ /10min	
	Flammability	0.75mmt	UL94 File No.E47924	—	HB
Mold conditions	Cylinder Temperature			°C	250-270
	Mold temperature			°C	80-120

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