

PA66 EN-2000-KL NC001
Product Description

Low temperature resistant, toughened injection molding grade modified PA66

Application field

High toughness, low temperature resistance -40 °C. Applicable to the automotive field, sporting goods, nylon cable ties and other products

Typical performance

Test item	Test condition	Test standard	Unit	Reference
Basic properties				
The melt flow rate	275°C, 5kg	ISO 1133	g/10min	29.14
Proportion	23±2°C	ISO 1183	g/cm ³	1.08
Mechanical behavior				
Tensile Strength	50mm/min	ISO 37	MPa	54
Elongation at break	50mm/min	ISO 37	%	55
Bending strength	2mm/min	ISO 178	MPa	70.2
Flexural modulus	2mm/min	ISO 178	MPa	1713
Izod notched impact strength	5.5J	ISO 179-1	KJ/m ²	62
Thermal performance				
Heat distortion temperature	1.8MPa	ISO 75-2	°C	54.7
melting point	23±2°C	ISO 11357-3	°C	258
Flame retardant properties				
Flame retardancy	1.6mm	UL94	Class	HB
Glow Wire Burn Index	/	IEC 60695	S	/
Electrical properties				
Relative tracking index	23±2°C	IEC60112	V	500
Recommended processing conditions				
Drying temperature			°C	100-140
Drying time			h	3-4
Injection temperature			°C	265-275
Injection pressure			MPa	75-85

Note: This typical physical property is not a sales specification