

# Huaфон EP127

Polyamide 66  
Huaфон Group Co., Ltd.

Message:

EP127 is an injection molding Nylon 66 resin. This resin offers a well-balanced combination of engineering properties characterized by good toughness; high impact; good surface lubricity; abrasion resistance; self-extinguishment.

Typical Applications

As an injection molding resin, EP127 is suitable for the production of cable ties and other molding product.

General Information			
Features	Good Abrasion Resistance		
	Good Toughness		
	High Impact Resistance		
	Self Extinguishing		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	70	g/10 min	ISO 1133
Particle Size	1.40 to 2.00	g/100 pellets	Internal Method
Relative Viscosity	2.62 to 2.72		Internal Method
Water Content	< 4000	mg/kg	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup>	74.6	MPa	ISO 527-2
Tensile Strain <sup>2</sup> (Break)	69	%	ISO 527-2
Flexural Modulus <sup>3</sup>	2640	MPa	ISO 178
Flexural Stress <sup>4</sup>	97.6	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength <sup>5</sup> (23°C)	6.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>6</sup>			
0.45 MPa, Annealed	184	°C	ISO 75-2/B
1.8 MPa, Annealed	66.1	°C	ISO 75-2/A
Vicat Softening Temperature <sup>7</sup>	239	°C	ISO 306/B120
Peak Melting Temperature <sup>8</sup>	267	°C	ASTM D3418
Flammability	Nominal Value	Test Method	
Flame Rating <sup>9</sup>			UL 94
1.00 mm	V-2		
1.60 mm	V-2		
3.00 mm	V-2		

NOTE	
1.	48h/23°C/50%RH
2.	48h/23°C/50%RH
3.	48h/23°C/50%RH
4.	48h/23°C/50%RH
5.	48h/23°C/50%RH
6.	48h/23°C/50%RH
7.	48h/23°C/50%RH
8.	10°C/min
9.	48h/23°C/50%RH

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