



Specification

P/N	PA66EN400	Product Model	PA66EN400		
Name	EP Super-tough Polyamide 66				
Performance Article		Test Method	Test Condition	S.I.Units	Typical Values
Physical Properties	Glass Fibre Content	--	--	%	0
	Mold Shrinkage	ASTM D955	23℃	%	1.5-2.0
	Water Absorption	ASTM D750	23℃	%	1.00
	Specific Gravity	ASTM D792	23℃	g/cm ³	1.02
Mechanical Properties	Tensile Strength	ASTM D638	5mm/min	MPa	45
	Elongation at break		5mm/min	%	380
	Flexural Strength	ASTM D790	50 mm span	MPa	43
	Flexural Modulus		50 mm span	MPa	725
	Impact Strength IZOD notched	ASTM D256	23℃	J/m	684
Thermal Properties	Heat Distortion Temp.	ASTM D1525	1.8Mpa,6.4mm	℃	/
	Melt index	ASTM D1238	250℃/2.16kg	g/10min	/
Electrical Performance	Comparative Tracking Index	IEC60112		V	/
	High Voltage Test	IEC 61007		V	/
Others	Flammability	UL94	1.6mm	Class	HB
			3.2mm	Class	HB
Processing Conditions			Typical Values		Range
Melt Temp.			265℃		250-270℃
Barrel Zone Temp.			Rear	275℃	260-280℃
			Center	265℃	260-27℃
			Front	255℃	250-260℃
Mold Temp.			80℃		70-100℃
Processing Temp. Limit			280℃		
Injection Speed			Moderate to High		
Pre-Dry Requirements			105-110℃,3-4hr		
Remarks:1 This data is only for referenece.It does not mean a guaranteed minimum value of the physical properties of the product.					