

ARKPC240N

30% glass fiber reinforced material

Polycarbonate

Product Description:

ARKPC240N is a glass fiber reinforced compound characterized by good surface finish and high rigidity.

Basic information			
Filler/Reinforced material	Glass fiber reinforced material,30% Fillers by weight.		
Characteristic	Stiffness,High quality appearance		
Applications	Engineering accessories camera application		
Form	Pellet		
Processing Method	Injection		
Physical Properties	Rated Value	Unit	Test Method
Proportion	1.42	g/cm ³	ASTM D792
Shrinkage Rate - liquidity (3.20 mm)	0.10 to 0.30	%	ASTM D955
Mechanical	Rated Value	Unit	Test Method
Tensile Strength	135	MPa	ASTM D638
Elongation Rate (Fracture)	3.0	%	ASTM D638
Flexural Modulus	8150	MPa	ASTM D790
Flexural Strength	195	MPa	ASTM D790
Impact Properties	Rated Value	Unit	Test Method
Izod Notched Impact Strength (23°C)	160	J/m	ASTM D256
Thermal	Rated Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa,Unannealed, 4.00 mm)	142	°C	ASTM D648
Flammability	Rated Value	Test Method	
UL Flammability Rating (1.60 mm)	HB	UL 94	
Injection	Rated Value	Unit	
Drying Temp	120	°C	
Drying Time	4.0 to 8.0	hr	
Barrel Rear Temp	275 to 280	°C	
Barrel Middle Temp	280 to 285	°C	
Barrel Front Temp	285 to 295	°C	
Nozzle Temp	295 to 300	°C	
Processing(Melt) Temp	275 to 300	°C	
Mold Temp	85.0 to 110	°C	