

ARKPC210K

15% glass fiber reinforced material

Polycarbonate

Product Description:

ARKPC210K is 15% glass fiber reinforced, flame retardant polycarbonate compound. The flame retardant system is based on brominated flame retardant. This grade offers excellent impact resistance, good dimensional stability, high heat resistance and good surface.

Basic information			
Filler/Reinforced material	Glass fiber reinforced material, 15% Fillers by weight.		
Additive	Flame Retardancy		
Characteristic	Good dimensional stability and impact resistance High heat resistance, High bromine content Excellent appearance and flame retardancy		
Applications	Electrical/electronic applications; Automotive applications		
Form	Pellet		
Processing Method	Injection Molding		
Physical Properties	Rated Value	Unit	Test Method
Proportion	1.32	g/cm ³	ASTM D792
MFR (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Shrinkage Rate -(fluidity)(3.20 mm)	0.30 to 0.50	%	ASTM D955
Water Absorption Rate (24 hr)	0.12	%	ASTM D570
Mechanical	Rated Value	Unit	Test Method
Tensile Modulus	7360	MPa	ASTM D638
Tensile Strength	92.0	MPa	ASTM D638
Elongation (Fracture)	3.0	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Impact Properties	Rated Value	Unit	Test Method
Izod Notched Impact Strength (23°)	180	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)	V-0	UL 94	