

Kangxi® FRPC/ABS

Polycarbonate + ABS

Wuxi Kangxi Plastics Technology Co.,Ltd.

Message:

Kangxi®FRPC/ABS is a polycarbonate acrylonitrile butadiene styrene (PC ABS) product. It is available in the Asia-Pacific region. Kangxi®The application areas of FRPC/ABS include the automotive industry and tools.

- Features include:
- flame retardant/rated flame
 - ROHS certification
 - Flame Retardant
 - high gloss
 - high strength

General Information			
Features	Highlight		
	High strength		
	Impact resistance, good		
	Workability, good		
	Heat resistance, high		
	Flame retardancy		
Uses	Power/other tools		
	Application in Automobile Field		
	Car dashboard		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.12	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	ASTM D955
Transverse flow	0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	50.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	30	%	ASTM D638
Flexural Modulus ⁴	2200	MPa	ASTM D790
Flexural Strength ⁵	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	300	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, unannealed, 6.40mm	115	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	105	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm	V-0		UL 94
3.2 mm	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Weather Resistance - 24 hr (23°C)	0.15	%	ASTM D570
Injection	Nominal Value	Unit	
Drying Temperature	90 - 100	°C	
Drying Time	3.0 - 6.0	hr	
Rear Temperature	210 - 240	°C	
Middle Temperature	210 - 240	°C	
Front Temperature	210 - 240	°C	
Processing (Melt) Temp	220 - 240	°C	
Mold Temperature	60 - 100	°C	
NOTE			
1.	23°C		
2.	50 mm/min		
3.	50 mm/min		
4.	2.0 mm/min		
5.	2.0 mm/min		

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