

Kingfa API-230

Polypropylene

Kingfa

Message:

Kingfa API-230 is a Polypropylene material. It is available in Asia Pacific or North America.

Important attributes of Kingfa API-230 are:

Flame Rated

High Flow

Low to No Odor/Taste

Typical application of Kingfa API-230: Automotive

General Information			
Features	High Flow		
	Low to No Odor		
Uses	Automotive Instrument Panel		
	Automotive Interior Trim		
	Automotive Under the Hood		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.4 to 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	25.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	150	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	1400	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	37.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm, Injection Molded	40	J/m	
23°C, 3.20 mm, Injection Molded	90	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm, Injection Molded	120	°C	

1.8 MPa, Unannealed, 6.40 mm, Injection Molded			
	60.0	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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