

Kingfa ABP-1012

Polypropylene

Kingfa

Message:

Kingfa ABP-1012 is a polypropylene material, which contains a 10% filler. This product is available in North America or Asia Pacific.

The main features of Kingfa ABP-1012 are:

flame retardant/rated flame

Strong adhesion

The typical application field of Kingfa ABP-1012 is: automotive industry

General Information			
Filler / Reinforcement	Filler, 10% filler by weight		
Features	Sprayable		
	Good adhesion		
Uses	Car anti-collision bar		
	Car exterior decoration		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.1 - 1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	65		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	17.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	200	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	1060	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	25.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20mm, injection molding	70	J/m	ASTM D256
23°C, 3.20mm, injection molding	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm, injection molding	85.0	°C	ASTM D648

1.8 MPa, unannealed, 6.40mm, injection molding	47.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB	UL 94	
Additional Information			
Filler Content, ISO3451/1, Method A: 10%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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