

# Kingfa AP-201

Polypropylene

Kingfa

## Message:

Kingfa AP-201 is a polypropylene material, which contains a 20% filler. This product is available in North America or Asia Pacific.

The main features of Kingfa AP-201 are:

flame retardant/rated flame

good weather resistance

the typical application field of Kingfa AP-201 is: outdoor application

General Information			
Filler / Reinforcement	Filler, 20% filler by weight		
Features	Good weather resistance		
Uses	Outdoor application		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	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)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (23°C, Injection Molded)	26.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 23°C, Injection Molded)	90	%	ASTM D638
Flexural Modulus <sup>3</sup> (23°C, Injection Molded)	1680	MPa	ASTM D790
Flexural Strength <sup>4</sup> (23°C, Injection Molded)	36.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm, Injection Molded)	125	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Additional Information			
Filler Content, ISO3451/1, Method A: 20%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		

3.	2.0 mm/min
4.	2.0 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

