

Kingfa ABP-2020

Polypropylene

Kingfa

Message:

PP-EPDM-T20

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Additive	Rubber 2		
	UV stabilizer		
Features	Rigidity, high		
	Impact resistance, high		
	Good UV resistance		
	Sprayable		
	Good coloring		
	High liquidity		
Uses	Car anti-collision bar		
	Automotive exterior parts		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02 - 1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18 - 25	g/10 min	ISO 1133
Molding Shrinkage			Internal method
23°C	8.5E-3 - 9.5E-3	%	Internal method
80°C, 30 minutes	1.0E-3 - 1.5E-3	%	Internal method
120°C, 30 minutes	1.5E-3 - 2.0E-3	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	18.0	MPa	ISO 527-2/50
Tensile Strain (Break)	50	%	ISO 527-2/50
Flexural Modulus ¹	1500	MPa	ISO 178
Flexural Stress ²	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ³ (23°C)	35	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, unannealed, 4.00mm span)	104	°C	ISO 75-2/B

Flammability	Nominal Value	Test Method
Flame Rating ⁴	HB	ISO 3795
Additional Information	Nominal Value	Test Method
Weather Resistance ⁵	4.00 - 5.00	SAE J1960
Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	0.0 - 2.0	hr
Rear Temperature	190 - 210	°C
Middle Temperature	205 - 230	°C
Front Temperature	215 - 240	°C
Processing (Melt) Temp	220 - 245	°C
Mold Temperature	30.0 - 60.0	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.350	MPa
Injection instructions		
Processing Temp. Limit: 250°C		
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	
3.	4 mm	
4.	360×100×3	
5.	250 kJ/m ²	

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