KINGFA

辽宁金发科技有限公司

Physical Property Data Table



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Product Features				General	High flow	Medium flow	Chemical resistance	blue tone	Water tome
Performances	Test Standard	Test Condition	Unit	KFA-130	KFA-130H	KFA-130L	KFA-180	KFA-130B	KFA-130R
Tensile Strength	ISO 527	50mm/min	MPa	72	70	75	80	70	66
Flexural Strength	ISO 178	2mm/min	MPa	112	115	120	122	110	106
Flexural Modulus	ISO 178	2mm/min	MPa	3380	3100	3400	3500	3300	3100
Izod Notched Impact Strength	ISO 180	23℃	kJ/m2	1.8	2.2	2.5	3	2	2
Melt Mass-flow Rate(MFR)	ISO 1133	220℃, 10Kg	g/10min	38	55	25	10	35	55
Applications				Home appliance containers Fans Lamps	Home appliance containers Luminaire Modification	Home appliance containers Fans Luminaire Modification	Lighter Cosmetic container Stamps shell	Home appliance Containers Toys	Home appliance containers Toys

Typical Application Examples



Home Appliance



Fan



Lighter

Product Features				General	High Flow	High impact	Ultra high impact	High impact, high rigidity	High gloss	High impact, medium flow	Glossy black
Performances	Test Standard	Test condition	Unit	G360 GENC001	G360 HFNC001	GAR-322 HCNC001	G354	G355	G352	G351	G360 S2B-T9900
Tensile Strength	ISO 527	50mm/min	MPa	45	45	40	37	44	49	43	47
Elongation at break	ISO 527	50mm/min	%	25	25	20	25	20	20	15	25
Flexural Strength	ISO 178	2mm/min	MPa	71	75	60	56	70	80	66	76
Flexural Modulus	ISO 178	2mm/min	MPa	2500	2500	1900	2000	2450	2750	2300	2600
Izod Notched Impact Strength	ISO 180	23℃	kJ/m2	23	20	35	43	37	16	25	18
Temperature of Deflection Under Load	ISO 75	1.8MPa	℃	77	77	74	74	82	81	79	78
Melt Mass-flow Rate (MFR)	ISO 1133	220℃, 10Kg	g/10min	20	35	10	5	6	30	23	40
Applications				Home appliances Electronic equipment Packaging Toys	Home Appliance Electronic Appliances Large Size Parts	Helmets Toys Luggage	Sports helmet Car helmet Toys	High-end Luggage Tubing sheets	Toy building blocks, OA	Toy building blocks, OA	Home appliances Auto Toys OA Black shell

Typical Application Examples



Electric motorcycle Exterior Parts



Safety Helmet



Luggage



Toys



IT/OA

Product Features				Impact and Heat Resistance	Heat Resistance	High Heat Resistance	Ultra Heat Resistance	Electroplating	Refrigerator liner	Flame Resistant
Performances	Test Standards	test condition	unit	HR-527A	HR-527B	HR-527D	HR-527E	G357	G368	HF-630
Tensile Strength	ISO 527	50mm/min	MPa	44	45	44	44	44	45	40
Elongation at break	ISO 527	50mm/min	%	20	15	15	13	20	35	25
Flexural Modulus	ISO 178	2mm/min	MPa	68	77	74	75	72	72	63
Flexural Modulus	ISO 178	2mm/min	MPa	2300	2400	2500	2600	2500	2450	2200
Izod Notched Impact Strength	ISO 180	23℃	kJ/m2	20	16	15	15	23	38	20
Temperature of Deflection Under Load	ISO 75	1.8MPa	℃	83	87	92	95	83	85	77
Vicat Softening Temperature	ISO 306	5kg, 50℃/h	℃	101	107	113	118	97	99	95
Melt Mass-flow Rate(MFR)	ISO 1133	220℃, 10Kg	g/10min	16	12	6	5.5	18	4	30
Applications				Household Appliances Air Conditioner Automotive Exterior Parts Car Mirrors	Household Appliances Air Conditioner Automotive Components Dashboard Interior Parts Car Mirrors	Automotive Components Dashboard Interior Parts Vehicle Lights and Mirrors Household Appliances	Automotive Components Household Appliances	Automotive Components Household Appliances Sanitary Ware Packaging Toys	Household Appliances Refrigerator liner Extruded Building Materials	1.5mm V0 Household Appliances Office Appliances Tools

Typical Application Examples



Air Conditioner



Refrigerator



Rearview Mirror



Electroplated grille



Light housing

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辽宁金发科技有限公司

LIAONING KINGFA SCI. & TECH. CO., LTD.

Kinfa is a company that focuses on high-performance new materials, integrating scientific research, production, sales, and services. It provides innovative material solutions to create a safer, more comfortable, and convenient human lifestyle, promoting the continuous improvement of the human living environment and creating a better life.

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