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Great Eastern Resins
Industrial CO., LTD.



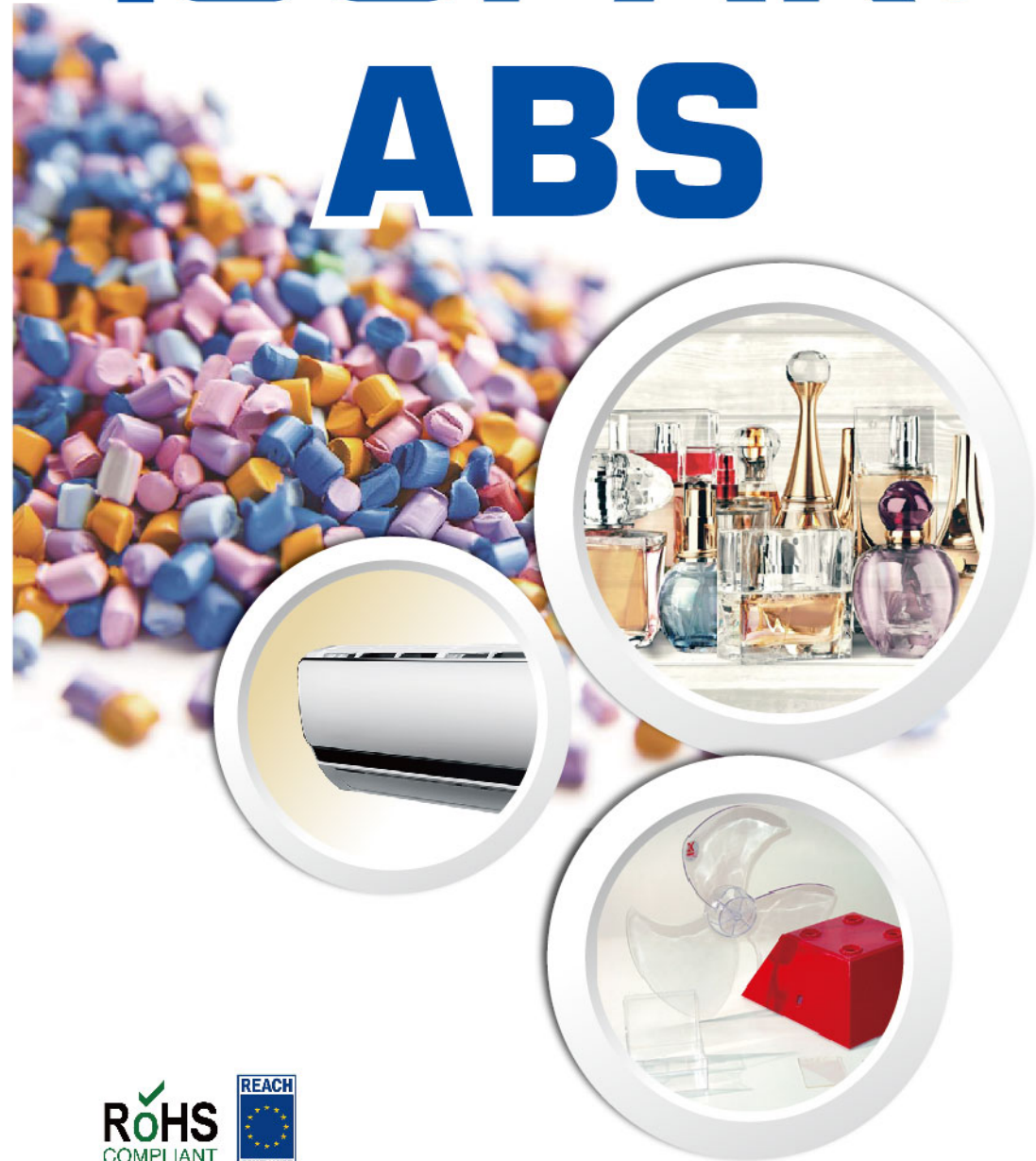
Great Eastern Resins
R&D Center



Kaohsiung Plant Office



ISOPAK® ABS



ABS PHYSICAL PROPERTIES				ABS											ASA	PC/ABS		SAN
ABS Grade				General purpose		High Impact			High Flow	Super High Impact	Metal Plating	Extrusion	Flame Retardant	Transparent	General Grade	General Grade	Flame Retardant	General Grade
Properties	ASTM Test Method	Units	Test Conditions	513	525	547	547T	569	547SHF	569M	547M	569P	540	508	583	625W	640W	735
IZOD IMPACT STRENGTH	D256 Method A	kg-cm /cm	23°C, 1/8" x 1/2" x 5/2"	16	18	24	27	30	25	40	24	47	22	10	15	65	50	2
MELT FLOW INDEX	D1238	g/10 min	220°C, 10 kg/cm ²	22	20	17	15	12	40	5	17	9	45	21	13	15 (260°Cx2.16kg)	20 (260°Cx2.16kg)	24
TENSILE STRENGTH AT YIELD	D638	kg/cm ²	23°C, 1/8" 5mm /min	530	510	430	410	370	380	350	420	360	435	520	440	530	580	710
TENSILE STRENGTH AT BREAK	D638					370	360	310	340	300	340	330						
FLEXURAL YIELD	D790	kg/cm ²	23°C, 2.8mm /min	880	800	700	700	640	670	600	690	580	700	800	630	850	845	1100
FLEXURAL MODULUS	D790			30000	26000	24000	24000	22000	25000		25000	20000	22000	23600	21800	21750	25400	34000
VICAT	D1525	°C	1kg load	98	95	102	103	101	102		100	103	95				110	104
HEAT DISTORTION TEMP.	D648	°C	1/2", 18.56kg/cm ²	91	90	87	86	82	85	85	85	86	79	83	85	88	93	91
SPECIFIC GRAVITY	D792		22°C	1.04	1.04	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.16	1.1	1.07		1.18	1.06
ROCKWELL HARDNESS	D785	R-scale		118	110	110	110	107	119	100	105	102		113	105	70	118	83
FLAMMABILITY	UL-94		File no. E85466	HB	HB	HB	HB	HB	HB	HB	HB	HB	V0	HB	HB	HB	V0	HB
Characteristics				High Rigidity	High impact strength Good flow			High Melt Flow High productivity	Excellent toughness Good processability Good for thermoforming	Good adhesion to metal coatings	Dimensional stability Impact resistant	UL-94 V-0 2.5mm all colors	Excellent Transparency	High flowability High gloss characteristics	High flow 1.5mm HB	High Flow UL-94 V0 (3.2-3.5mm)	High Flow General Injection	
Application				Electronics, Household appliances	Furniture Components, Toys, Kitchen Appliances, Office Equipment, Computer Housing, Cosmetics			TV housing, Large or Complex Shaped Products, Air Conditioners	Tool boxes, motorcycle parts, helmets, extruded sheet and profile	Various Ornaments, Trophies, Electric Appliances	Refrigerator, profile, thermoforming	Telephone housing, TV housing	Electronic appliance such as air-conditioner panel, humidifier water tank	Outdoor and Weather resistance products	Automotive interior part, Consumer electronics product, General molding product		Daily Commodities	