

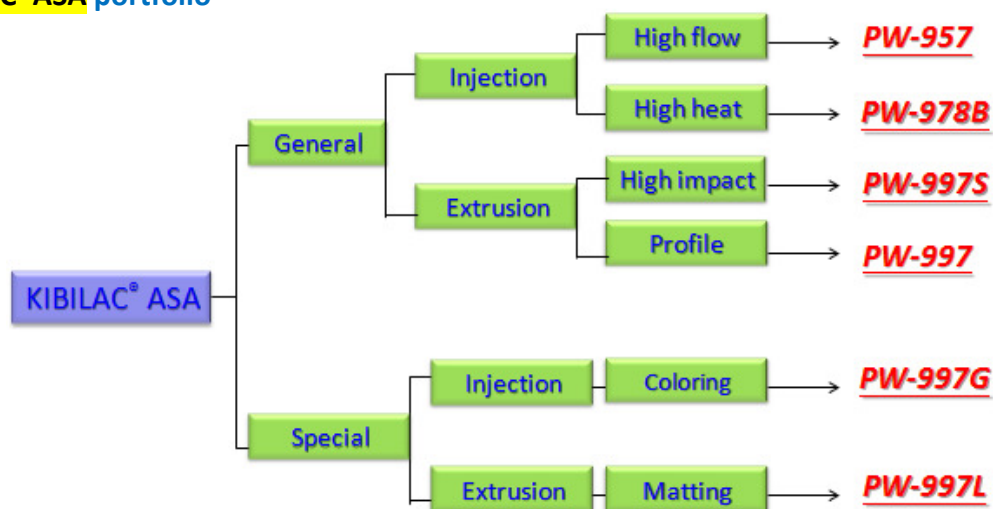
KIBILAC® ASA Resin General Grade ASA

ASA is a copolymerization of Styrene, Acrylonitrile, and Acrylic rubber. Technically, ASA not only maintained the main characteristics of the ABS, it also combines the weather resistance advantage of acrylic to extend the product application for outdoor purposes.

Following 30 years of experiences in manufacturing ABS, KIBILAC® ASA has inherited the good qualities and characteristics of CHIMEI's POLYLAC® ABS. The characteristics of weather resistance durability, color stability, and good PC/PVC capability have allowed KIBILAC® ASA to become a broader and higher value resin that can be applied in automotive parts, construction parts, outdoor sporting goods, gardening parts, outdoor antenna parts, electronic and electrical products, toiletries, etc.

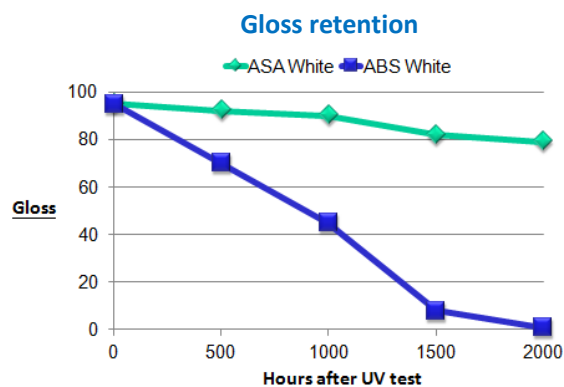
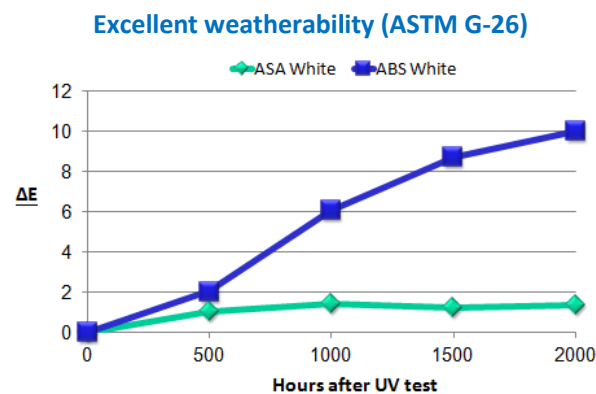
In addition, KIBILAC®ASA also reduces the secondary coating and electroplating processing costs, allowing its products to have cost reducing and environmental friendly features. Presently, general grade ASA product specifications are PW-957, PW-978B, PW-997 and PW-997S. Special grade ASA product specifications are PW-957G, PW-997G, PW-997L.

KIBILAC®ASA portfolio



General grade ASA features and benefits

-Excellent weatherability. Outstanding color fastness and gloss retention for exterior design.



General grade ASA product properties

Typical Properties	ISO	Condition	Units	General	High Heat	Extrusion	Profile Extrusion
				PW-957	PW-978B	PW-997S	PW-997
MVI	1133	220°C×10KG	ml/10min	23.0	12.0	4.0	7.0
Mass Density	1183	23°C	g/cm ³	1.07	1.07	1.07	1.07
Tensile Strength	527	50mm/min,yield	MPa	46	47	47	46
		50mm/min,break	MPa	33	34	34	34
Tensile Elongation	527	50mm/min	%	20	20	20	25
Flexural Strength	178	2mm/min	MPa	67	67	65	66
Flexural Modulus	178	2mm/min	GPa	2.2	2.1	2.1	2.1
Izod Impact	180/1A	23°C, Notched	KJ/m ²	9.0	12.0	20.0	20.0
		-30°C, Notched	KJ/m ²	5.0	5.0	9.0	9.0
Charpy Impact	179	23°C, Notched	KJ/m ²	10.0	12.3	20.5	20.5
		-30°C, Notched	KJ/m ²	5.0	6.0	10.0	10.0
Vicat Softening Temperature	306	50°C/hr,1KG	°C	105	112	105	106
		50°C/hr,5KG	°C	94	100	94	94
Heat Deflection Temperature	75/A	1.80Mpa;unannealed	°C	80	86	79	81
		1.80Mpa;annealed	°C	97	105	96	98
Coefficient of Linear Thermal Expansion	11359	-	-	9×10 ⁻⁵	9.1×10 ⁻⁵	9.3×10 ⁻⁵	9.3×10 ⁻⁵
Flammability	-	UL-94	-	1.5mm HB	1.5mm HB	1.5mm HB	1.5mm HB
Mold Shrinkage	294-4	-	%	0.4~0.7	0.4~0.7	0.4~0.7	0.4~0.7
Symbol	1043	-	-	>ASA<	>ASA<	>ASA<	>ASA<
Product Description				Injection	High Heat	Extrusion	Profile Extrusion

General grade ASA applications : automotive parts, construction parts, outdoor sporting goods, gardening parts, outdoor antenna parts ,electronic and electrical products,etc.



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