

SECCO HIPS622

SECCO HIPS622 is an injection-grade, heat-resistant, and food-contact-grade high-impact polystyrene in the form of pellets,. It features excellent colorability, high flow, high stiffness, and good moldability, making it suitable for injection molding processes and sheet extrusion applications, commonly used in toys, air conditioning parts, TV back shells, and various housewares.

Physical property		Standard	Value	Unit
Density		ISO 1183	1040	kg/m ³
Shrinkage	24hr	GB/T 17037	0.4~0.6	%
Water Absorption		ISO 62	0.1	%
Melt Index	200°C 5kg	GB/T 3682	4.5	g/10min
Hardness		Standard	Value	Unit
Rockwell Hardness	R(Scale)	GB/T 3398	107	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	Yield 50mm/min	GB/T 1040	28	MPa
Tensile Strength	Break 50mm/min	GB/T 1040	26	MPa
Elongation	Break 50mm/min	GB/T 1040	45	%
Flexural Strength	2.0mm/min	GB/T 9341	48	MPa
Flexural Modulus	2.0mm/min	GB/T 9341	2100	MPa
Izod Notch Impact	23°C Type A	GB/T 1843	12	kJ/m ²
Thermal		Standard	Value	Unit
HDT	0.45MPa	GB/T 1634	87	°C
Vicat Softening Temperature	50°C/hr 50N	GB/T 1633	92	°C
Flammability		Standard	Value	Unit
Flame Rating	NC 1.5mm	UL94	HB	
Flame Rating	NC 3.0mm	UL94	HB	