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SECCO HIPS514

Product description

HIPS514 is a high flow grade with good toughness. It has short molding cycle and can give the products good appearance. *HIPS514* is particularly suitable for molding of large size or thin wall parts .

Product applications

Home appliances shell, stationery, housewares, toys, blending modification, masterbatch base, etc.

Product characteristics

Typical properties

Properties	Test method	Test condition	Units	Typical values
Melt flow rate	GB/T 3682.1	200°C/5kg	g/10min	8.8
Tensile stress at yield	GB/T 1040.2	50mm/min	MPa	25
Tensile stress at break	GB/T 1040.2	50mm/min	MPa	20
Nominal Tensile strain at break	GB/T 1040.2	50mm/min	%	45
Flexural modulus	GB/T 9341	2mm/min	MPa	2200
Flexural strength	GB/T 9341	2mm/min	MPa	40
Notched Izod impact strength	GB/T 1843	23°C/A	kJ/m ²	13
Vicat softening temperature	GB/T 1633	B ₅₀	°C	85
Heat distortion temperature	GB/T 1634.2	0.45MPa	°C	82
Rockwell hardness	GB/T 3398.2	--	R-Scale	105
Density	ISO1183-1	--	kg/ m ³	1040
Water absorption	ISO62	--	%	<0.1
UL flammability	UL 94	--	Class	94HB
Mold shrinkage	GB/T 17037.4	24hour	%	0.4-0.6

- 1) Values given are typical and should not be interpreted as specification.
- 2) Typical application of HIPS514 is injection molding. It is suggested that the melt injection temperature should be set at 160°C-240°C, injection pressure at 30-130MPa and mould temperature at 30°C-60°C.

Additional information

Product safety compliance

HIPS514 complies with the National Food Safety Standard GB 4806.6-2016 for plastic resin used in food-contact parts, FDA regulation CFR 177.1640(c) (1) and the ROHS Directive: Amending Delegated Directive(EU)2015/863 to Directive 2011/65/EU Annex II. *HIPS514* has obtained the UL certificate of the USA. However, the customer is still responsible for determining whether the fabricated product is in compliance with applicable laws and regulations.

Safety and material handling

SECCO polystyrene resin has a very low degree of toxicity under normal conditions of use. Please contact your SECCO representative or the local suppliers for more detailed information and/or Material Safety Data Sheet (MSDS) for the specific grade of interest.