

NOVALLOY S series

PC/ABS resin

Technical Information

TI-05428

Properties

S1100G

PC/ABS resin

Standard

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Our standard	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	53
Flexural strength	ISO 178	-	MPa	86
Flexural modulus	ISO 178	-	MPa	2400
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	80
Deflection temperature under load	ISO 75	1.80MPa	deg C	100
Deflection temperature under load	ASTM D648	1.82MPa/6.4mm	deg C	110
Deflection temperature under load	ISO 75	0.45MPa	deg C	115
Flammability	UL94	-	-	HB
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm3	1.12

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- Values are typical, not quality assured.
- UL recognition File No. is E47773.
- The colorant formulations are restricted for each UL certified color. Please contact us for more information.

Typical settings for processing

Preliminary drying	Barrel temperature(deg C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (deg C)
	Nozzle	Front	Middle	Back			
4-5hrs 90-110deg C	230-260	240-260	230-250	210-240	50-100	5-20	60-80

Novacel Co., Ltd.

2024/07/01-0