

NOVALLOY S series

PC/ABS resin

Technical Information

TI-05298

Properties

S1500G

PC/ABS resin
Heat resistance

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Our standard	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	55
Flexural strength	ISO 178	-	MPa	87
Flexural modulus	ISO 178	-	MPa	2300
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m ²	60
Deflection temperature under load	ISO 75	1.80MPa	deg C	110
Flammability	UL94	-	-	HB
Density	ISO 1183	-	g/cm ³	1.14

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