

# NOVALLOY S series

PC/ABS resin

Technical Information

TI-05076

## Properties

### S7600R

Flame-retardant PC/ABS resin

High flow

\*The product(s) do not contain halogenated compounds as flame retardants and do not contain antimony compounds.

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	240 deg C/5kg	g/10min	40
Mold shrinkage	Our standard	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	60
Flexural strength	ISO 178	-	MPa	94
Flexural modulus	ISO 178	-	MPa	2700
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	9
Deflection temperature under load	ISO 75	1.80MPa	deg C	80
Flammability	UL94	-	-	V-1/1.2mm V-0/1.5mm 5VB/2.0mm 5VA/2.5mm
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm3	1.18

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			
3-5hrs 80-90deg C	250-280	250-280	240-270	220-260	50-80	5-20	50-70

**Novacel Co., Ltd.**

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