

**Properties**

**SER91A**

Flame-retardant ABS resin  
Heat resistance, UV stability

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	220 deg C/10kg	g/10min	20
Mold shrinkage	Daicel method	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	45
Flexural strength	ISO 178	-	MPa	70
Flexural modulus	ISO 178	-	MPa	2300
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	11
Deflection temperature under load	ISO 75	1.80MPa	deg C	78
Flammability	UL94	-	-	HB/0.70mm-0.77mm V-2/0.75mm V-0/1.5mm
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm3	1.21

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			
3-4hrs 70-80deg C	220-230	220-230	200-210	180-190	40-60	5-15	40-60