

Properties

SER91H

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	16
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/m ²	13
Deflection temperature under load	ISO 75	1.80MPa	deg C	78
Flammability	UL94	-	-	V-2/0.75mm V-0/1.5mm 5VA/2.5mm
Density	ISO 1183	-	g/cm ³	1.20

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