

Properties

S3100R

Flame-retardant PC/ABS resin

Standard

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Daicel method	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	50
Flexural strength	ISO 178	-	MPa	80
Flexural modulus	ISO 178	-	MPa	2200
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m ²	45
Deflection temperature under load	ISO 75	1.80MPa	deg C	100
Flammability	UL94	-	-	V-0/1.6mm
Density	ISO 1183	-	g/cm ³	1.23

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	220-250	230-250	220-240	200-230	50-100	5-20	60-80