

CEVIAN

Flame-retardant ABS resin

Technical Information

TI-05409

Properties

AF800R

Flame-retardant ABS resin

Standard

*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	200 deg C/5kg	g/10min	7
Mold shrinkage	Our standard	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	50
Flexural strength	ISO 178	-	MPa	74
Flexural modulus	ISO 178	-	MPa	2700
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	10
Deflection temperature under load	ISO 75	1.80MPa	deg C	70
Coefficient of linear thermal expansion	ISO 11359	MD	X1E-5/deg C	9
Coefficient of linear thermal expansion	ISO 11359	TD	X1E-5/deg C	-
Flammability	UL94	-	-	V-2/0.75-2.8mm
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm3	1.08

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 80-80deg C	220-240	220-240	200-220	180-200	40-60	5-15	40-50