

DAICEL PP

PP compound

Technical Information

TI-05263

Properties

PNAH5

Flame-retardant PP compound

*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	230 deg C/2.16kg	g/10min	13
Mold shrinkage	Our standard	-	%	1.2-1.5
Tensile strength	ISO 527	-	MPa	20
Flexural strength	ISO 178	-	MPa	35
Flexural modulus	ISO 178	-	MPa	2200
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m ²	2.7
Deflection temperature under load	ISO 75	0.45MPa	deg C	116
Flammability	UL94	-	-	V-0 equiv./1.5mm
Density	ISO 1183	-	g/cm ³	1.05

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- Values are typical, not quality assured.

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	180-220	180-220	160-200	140-180	70-90	5-20	40-60

*Preliminary drying under the conditions above is required, although PP resin hardly absorbs moisture.

Novacel Co., Ltd.

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