

## Properties

### **PNAS3**

Flame-retardant PP compound

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	230 deg C/2.16kg	g/10min	21
Mold shrinkage	Daicel method	-	%	1.5-1.8
Tensile strength	ISO 527	-	MPa	28
Flexural strength	ISO 178	-	MPa	35
Flexural modulus	ISO 178	-	MPa	1400
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m <sup>2</sup>	7
Rockwell hardness	ISO 2039	-	-	R87
Deflection temperature under load	ISO 75	0.45MPa	deg C	95
Flammability	UL94	-	-	V-2/0.75mm
Density	ISO 1183	-	g/cm <sup>3</sup>	0.93

**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 80-90deg C	180-220	180-220	160-200	140-180	70-90	5-20	40-60

[Alert Notes]

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