

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	ASTM D955	-	%	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/m2	2.7
Deflection temperature under load	ISO 75	0.45MPa	deg C	116
Flammability	UL94	-	-	V-0 equiv./1.5mm
Density	ISO 1183	-	g/cm3	1.05

Note

•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

[Alert Notes]

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