Properties

PTS4N1

Talc-reinforced PP compound (Talc20%)
Impact resistance

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	230 deg C/2.16kg	g/10min	10
Mold shrinkage	ASTM D955	-	%	0.6-0.9
Tensile strength	ISO 527	-	MPa	21
Flexural strength	ISO 178	-	MPa	31
Flexural modulus	ISO 178	-	MPa	2000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	46
Rockwell hardness	ISO 2039	-	-	R60
Deflection temperature under load	ISO 75	0.45MPa	deg C	114
Density	ISO 1183	-	g/cm3	1.03

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 80-120deg C	180-230	180-230	160-210	140-190	70-90	5-20	40-60

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