

Properties

FP994

Filler-reinforced flame-retardant PP compound (Filler25%, UL94 V-0)

High rigidity

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	230 deg C/2.16kg	g/10min	3
Mold shrinkage	ASTM D955	-	%	0.6-0.9
Tensile strength	ISO 527	-	MPa	24
Flexural strength	ISO 178	-	MPa	37
Flexural modulus	ISO 178	-	MPa	2800
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	4
Rockwell hardness	ISO 2039	-	-	R85
Deflection temperature under load	ISO 75	0.45MPa	deg C	130
Flammability	UL94	-	-	V-0/0.75mm
Density	ISO 1183	-	g/cm3	1.39

Note

- Values are typical, not quality assured.
- UL recognition File No. of Daicel Polymer is E47773.

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.