

## TECHNICAL DATASHEET

### KI-22-PPCT (s)

Kalpena's filler master batches are produced from ultra-fine dispersible TALC, CALCIUM and virgin POLYPROPYLENE resins. Additives like antioxidant, lubricant, processing aid and desiccant are added to improve long term thermal & mechanical properties and process ability. It helps exceptional process ability with low Cycle Time & Processing Stability.

Kalpena's Filler Master batches offers the following benefits.

- Better dimensional stability –less shrinkage and warpage .
- Mould release and surface finish .
- Faster cooling rate and hence shorter cycle time.
- Cost reduction .
- Decrease creep, mould shrinkage and coefficient of thermal expansion .

properties	Test methods	unit	value
Density	ASTM-D-792	G/cm <sup>3</sup>	1.65
MFI	ASTM-D-1238	G/10 min	7-8
Tensile strength @ break	ASTM-D-638	MPa	15
Elongation at break	ASTM-D-638	%	8
Moisture content	ASTM-C-25	%	<0.04
IZOD IMPACT STRENGTH	ASTMD-256	Kgcm/cm	3
Heat deflection temp(4.6KG/CM <sup>2</sup> )	ASTMD-648	°C	130
Filler content	TGA	%	70

Processing parameters:

Zones	1	2	3	4	5	6
Temperature	185-195 <sup>0</sup> C	200-210 <sup>0</sup> C	220 <sup>0</sup> C	230 <sup>0</sup> C	235 <sup>0</sup> C	240 <sup>0</sup> C

1-The material shall be capable of being processed by all commercially available injection moulding machine .

2-Drying the material before processing .(80<sup>0</sup> c one hr )

APPLICATION :

Housewares application and furniture.

Storage:

The material shall be kept in a cool dry place and protected from direct sunlight.

Delivery: Granule form .

Package: 25 kg PP woven sacks.

Base Resin: Polypropylene.

(The information given in the document is believed to be reliable and is given in good faith but without warranty. The user should test the product to assertion the suitability for intended use. The product specification or the whole document is subject to change without any prior notice.)