

## TECHNICAL DATASHEET

### PPCT-35 (E .B )

Ddevplastiks filler master batches are produced from ultra-fine dispersible 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.

DdevPlastiks Filler Master Batches offers the following benefits.

- Improve stiffness.
- Improve strength and improve product stability.
- Smooth and glossy surface finish
- Cost reduction

Physico-Mechanical Properties:

SL NO	PROPERTIES	TEST METHOD	UNIT	VALUE
1.	Sp. Gravity	ASTM D 792	-	1.18-1.20
2.	Moisture content	ASTM D 6980	%	<0.05
3.	Tensile strength	ASTM D 638	Kg/cm <sup>2</sup>	>175
4.	Elongation at break	ASTM D 638	%	>10
5.	Flexural Strength	ASTM D 790	Kg/cm <sup>2</sup>	300-400
6.	Flexural modulus	ASTM D 790	Kg/cm <sup>2</sup>	>25000
7.	Izod impact (notched)	ASTM D 256	Kg-cm/cm	>3.0
8.	HDT@ 4.6Kg/cm <sup>2</sup>	ASTMD 648	°C	>125
9.	MFI(230°C/2.16 Kg )	ASTMD 1238	gm/10 min	14-17

Pre Drying:. We recommended the pre dry of material at 80 °C for minimum 02 Hrs.

Process Condition :-

Hopper	Rare Barrel	Middle Barrel	Front Barrel	Nozzle	Mould
160 °C	180-185 °C	190-205 °C	210-230 °C	230 °C	30-66 °C

Injection Pressure:

Generally, we are recommended 69 to 120 MPa. Higher injection pressure will improve the weld line with low shrinkage.

Storage: The material shall be kept in a cool and dry place.

Main application: INJECTION MOULDING (Electrical & Household Appliances . )

Delivery: Granule form .

Package: 25 kg PP woven sacks.



(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.)