

# Product Description

## G1 CC



Appcom compound

## Glass Filled PP Compound Injection Moulding

**Product Description** : APPCOM G1CC, 10% Glass filled chemically coupled polypropylene compound modified with other suitable additives to suit end applications.

**Colour** : Natural.

**Application Area** : The major application area is in the field of Injection moulding / Extrusion.

	Properties	Test Method	Condition	Unit	Specs Value
Physical	Specific Gravity	ASTM D 792	23°C	--	0.97
	Melt Flow Index	ASTM D1238	230°C/2.16 kg	gm/10min	≥ 4
Mechanical	Tensile Strength at yield 50 mm/min speed	ASTM D638	23°C	kg/cm <sup>2</sup>	≥ 450
	Elongation at break 50 GL	ASTM D638	23°C	%	≥ 6
	Flexural Modulus	ASTM D790	23°C	kg/cm <sup>2</sup>	≥ 25000
	Izod Impact (notched)	ASTM D256	23°C	kg.cm/cm	≥ 4
Thermal	HDT @4.6 kg/cm <sup>2</sup>	ASTM D648	23°C	°C	≥120

- Variations within normal tolerances are possible for various colours. All values are measured atleast 48 hours storage at 23°C/ 50% relative humidity

*Note:* Please contact APPL for shrinkage recommendations.

### Processing Guideline:

The injection temperature profile for above grade should be between 190°C to 230°C and the mould temperatures between 40°C to 60°C. We recommended that the pellet should be dried for about 1 - 2 hours at 75°C - 100°C to avoid moisture linked problem during processing.

**Note:** All the information given by APPL for use of these materials is given in good faith and to the best of our knowledge. The data, information, suggestion contained herein are given purely as guide. APPL does not guarantee the exact replication of the data by users since plastic testing is affected by a number of extraneous factors.

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