

# Product Description

## GM 8083



Appcom compound

## Impact Modified PP Compound Injection Moulding Grade

**Product Description** : APPCOM GM 8083 COLOUR UV, 15% Mineral filled Impact modified polypropylene compound modified with UV another suitable additives to suit end applications. This grade has superior flow properties.

**Colour** : This grade is available as per customer requirement.

**Application Area** : The major application area is in the field of exterior and Interior in automotive sector.

	Properties	Test Method	Condition	Unit	Specs Value
Physical	Melt Flow Index	ASTM D1238	230°C/2.16 kg	gm/10min	15 - 22
	Specific Gravity	ASTM D 792	23°C	--	1.00 ± 0.02
Mechanical	Tensile Strength at yield (Type I, Speed 50 mm/min)	ASTM D638	23°C	kg/cm <sup>2</sup>	Min 200
	Flexural Modulus (Speed 28 mm/min)	ASTM D790	23°C	kg/cm <sup>2</sup>	Min 17000
	Izod Impact (notched) (63.5*12.7*3.2 mm)	ASTM D256	23°C	kg.cm/cm	No Break
Thermal	HDT @4.6 kg/cm <sup>2</sup> (127*12.7*12.7 mm)	ASTM D648	23°C	°C	Min 115

\* Typical values only. 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.

ENG/F/01