

# Product Description

## 8077



Appcom compound

## Impact Modified PP Compound Injection Moulding Grade

**Product Description** : APPCOM 8077 , Mineral filled polypropylene + Impact Modifier compound modified with UV and other suitable additives to suit end applications.

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

**Application Area** : The major application area is in the field of interior body parts (Dashboard and their child parts) of automotive sector

Properties	Test Method	Condition	Unit	Specs Value	
<b>Physical</b>	Specific Gravity	ASTM D 792	23°C	-	1.07 – 1.11
	Melt Flow Index	ASTM D1238	230°C/2.16 kg	gm/10min	8 - 12
<b>Mechanical</b>	Tensile Strength at yield (Type I, Speed 50 mm/min)	ASTM D638	23°C	kg/cm <sup>2</sup>	Min 220
	Elongation at break (Type I, Speed 50 mm/min)	ASTM D638	23°C	%	Min 20
	Flexural Modulus (127*12.7*3.2 mm )	ASTM D790	23°C	kg/cm <sup>2</sup>	Min 19500
	Izod Impact (notched) (63.5*12.7*3.2 mm)	ASTM D256	23°C	kg.cm/cm	Min 10
<b>Thermal</b>	HDT @4.6 kg/cm <sup>2</sup> (127*12.7*12.7 mm)	ASTM D648	23°C	°C	Min 125

- 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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