

# Product Description

## NM 19



Appstrolon compound

## Polyamide / ABS Alloy Injection Molding Grade

**Product Description** : APPSTROLON NM 19 COLOUR UV, Polyamide & ABS alloy with moderate flow properties. It has excellent balance of impact and rigidity. This product has been stabilized for outdoor exposure. This grade is suitable for automotive and appliances applications.

**Color** : This grade is available as per requirement of customers.

**Application Area** : The major application area is in the field of automotive sector

	Properties	Test Method	Condition	Unit	Specs Value
Physical	Specific Gravity	ASTM D792	23°C	----	1.08 ± 0.02
	Melt Flow Index **	ASTM D1238	-	gm/10min	10
Mechanical	Tensile Strength at yield (Type I, Speed 50 mm/min)	ASTM D638	23°C	kg <sub>f</sub> /cm <sup>2</sup>	Min 390
	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 <sub>f</sub> /cm <sup>2</sup>	Min 15000
	Izod Impact ( Notched)	ASTM D 256	23°C	Kg-cm/cm	Min 20
Thermal	HDT @4.6 kg <sub>f</sub> /cm <sup>2</sup> ( Annealed) (127*12.7*12.7 mm)	ASTM D648	23°C	°C	Min 120

- *Note:* Please contact APPL for shrinkage recommendations

\*\* MFI value / range will decide mutual.

### Processing Guideline:

The injection temperature profile for above grade should be between 220°C to 265°C and the mould temperatures between 60°C to 80°C. We recommended that the pellet should be dried for about 2 - 4 hours at 100°C - 110°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