

Product Description

1580



Apploy Compound

PC/ ABS Alloy Injection Moulding Grade

Product Description : APLOY 1580 COLOUR UV, unfilled PC/ ABS alloy with good flow properties. It has excellent balance of impact and rigidity. This product has been stabilized for outdoor exposure and provides good heat stability. This grade is suitable for automotive and appliances applications.

Colour : This grade is available as per requirement of customers.

Application Area : Decorated trim, Shifter bezel, Front storage bin, Arm rest , Parking brake bezel etc.

	Properties	Test Method	Condition	Unit	Specs Value
Physical	Specific Gravity	ASTM D792	23°C	----	1.15 ± 0.03
	Melt Flow Index	ASTM D1238	265°C/5.00 kg	g/10min	40 ± 5
Mechanical	Tensile Strength at yield (Type I, Speed 50 mm/min)	ASTM D638	23°C	kg _f /cm ²	Min 450
	Elongation at break (Type I, 50 GL)	ASTM D638	23°C	%	Min 40
	Flexural Modulus (127*12.7*3.2 mm)	ASTM D790	23°C	kg _f /cm ²	Min 20000
	Izod Impact at 23°C	ASTM D256	23°C	Kg-cm/cm	No break
Thermal	HDT @4.6 kg _f /cm ² (Annealed) (127*12.7*12.7 mm)	ASTM D648	23°C	°C	Min 120

- 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 240°C to 265°C and the mould temperatures between 60°C to 80°C. We recommended that the pellet should be dehumidified for about 4 hours at 120°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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