



Technical Data Sheet

Supercover- ASA IH801

Application: Automotive Part (Radiator Grill, Side Mirror)

Grade: Injection Molding

Properties	Test Condition	Test Method	Unit	Typical Value
Physical				
Specific Gravity		ISO 1183	kg/m ³	1070
Linear Mold Shrinkage		ISO 294-4	%	0.5-0.9
Melt Flow Rate	220°C/10kg	ISO 1133	g/10 min	18-22
Mechanical				
Tensile Stress at Yield	23°C	ISO 527	MPa	48
Tensile Strain at Yield	23°C	ISO 527	%	3.3
Elongation at Break (MD)	23°C	ISO 527	%	9
Flexural Strength	23°C	ISO 178	MPa	70
Hardness, Ball Indentation	--	ISO 2039-1	MPa	80
IZOD Impact Strength (Notched)	--	ISO 180/A	kJ/m ²	15
Thermal				
Heat Deflection Temperature	annealed, 0.45 MPa)	ISO 75	°C	101
Vicat Softening Temperature	50°C/h, 50N	ISO 306	°C	97
Flammability	1.6mm	UL94	class	HB



Plastic & polymer additives and solution supplier

E:info@novistagroup.com | : www.novistagroup.com

Processing Guide (Injection Molding)

Processing Parameters		Unit	Value
Drying Temperature		°C	80
Drying Time		hrs	2 ~ 4
Mold Temperature Range	ISO 294	°C	60
Melt Temperature	ISO 294	°C	240 ~ 280
Injection Velocity	ISO 294	mm/s	200

Note: Recommend initial lower temperatures settings to avoid material degradation/hang-up in die & purge material from extruder prior to shutdown.

Package & Storage

IH801 is delivered in the form of cylindrical or spherical pellets. The bulk density of the pellets is from 0.55 to 0.65 g/cm³. Values may differ for special grades.

Standard Package: 25kg or 1000kg PE-bag on pallet, shrink or wrapped with PE film.

In dry areas with normal temperature control, IH801 pellets can be stored for relatively long periods of time without any change in mechanical properties.

With unstable colors, however, storage over a number of years can give rise to some change in color. Under poor storage conditions, IH801 absorbs moisture, but this can be removed by drying.

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Novista Group and its subsidiaries. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.