



Plastic & polymer additives and solution supplier
E:info@novistagroup.com I : www.novistagroup.com

Technical Data Sheet

Topolymer® ASA-IH801

Application: Automotive Part (Radiator Grill, Side Mirror)

Grade: Injection Molding

Properties	Test Condition	Test Method	Unit	Typical Value
Physical				
Specific Gravity		ASTM D792	g/cm3	1.08
Molding Shrinkage (Flow), 3.2mm		ASTM D955	%	0.4-0.6
Melt Flow Rate	220°C/10kg	ASTM D1238	g/10min	6
Mechanical				
Tensile Strength	23°C	ASTM D638	Mpa	50
Elongation at break	23°C	ASTM D638	%	15
Flexural Modulus	23°C	ASTM D790	Mpa	2200
Flexural Strength	23°C	ASTM D790	Mpa	65
Rockwell Hardness	R-Scale	ASTM D785		102
IZOD Impact Strength (Notched)	23°C 3.2mm	ASTM D256	J/M	180
IZOD Impact Strength (Unnotched)	23°C 3.2mm	ASTM D256	J/M	368
Thermal				
Heat Deflection Temperature	1.82Mpa	ASTM D648	°C	96
Flammability	1.6mm	UL94	class	HB



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Processing Guide (Injection Molding)

Processing Parameters		Unit	Value
Drying Temperature		°C	80 -95
Drying Time		hrs	3-5
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

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.

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