

# IH830HF-9678

## Description

Appropriate for injection molding  
High-heat resistance with excellent melt flow  
Good surface hardness & abrasion resistance, High gloss,  
High mechanical strength, Excellent weatherability  
Environment-friendly, Cost-reduction

## Application

Exterior molding garnish, Door frame garnish (B, C pillar), Tail lamp, CHMSL edge black

## Table

PROPERTY	CONDITION	UNIT	METHOD	VALUE
<b>THERMAL PROPERTIES</b>				
Melt Flow Index	230°C/3.8kg	g/10mn	ISO 1133	3.3
VICAT Softening Point	B/50	°C	ISO 306	108
Heat Deflection Temperature	1.8MPa/annelaed	°C	ISO 75	100
Coefficient of Linear Expansion	-30 - 30°C	1/°C	ISO 11359-2	6.5x10 <sup>-5</sup>
<b>MECHANICAL PROPERTIES</b>				
Charpy Impact Strength	notched	kJ/m <sup>2</sup>	ISO 179	1.4
Rockwell Hardness	M scale	-	ISO 2093-2	99
Tensile Strength at Break	5mm/min	MPa	ISO 527	73
Tensile Strain at Break	5mm/min	%	ISO 527	5
Tensile Modulus	1mm/min	GPa	ISO 527	3.3
Flexural Strength	2mm/min	MPa	ISO 178	118
Flexural Modulus	2mm/min	GPa	ISO 178	3.3
<b>GENERAL PROPERTIES</b>				
Density	-	g/cm <sup>3</sup>	ISO 1183	1.19
Mold Shrinkage	-	%	ISO 294-4	0.5-0.8
Water Absorption	24hr	%	ASTM D570	0.3
Flammability (UL94)	1.5mm	Class	IEC 60695-11-10	HB
<b>RECOMMENDED PROCESSING CONDITIONS</b>				
Predrying Temperature	-	°C	-	80-90
Predrying Time in Desiccant-Type Drier	-	hr	-	4-6
Melt Temperature	-	°C	-	220-250
Mold Temperature	-	°C	-	60-80

REMARKS : The listed values should be used for reference purpose only.