

# HYBRANCH HP-100

Specialty Polystyrene

DIC Corporation

Message:

HYBRANCH HP-100 is a Specialty Polystyrene product. It can be processed by extrusion and is available in Asia Pacific or North America. Applications of HYBRANCH HP-100 include film and sheet.

Characteristics include:

Good Processability

High Flow

General Information			
Features	Good Moldability		
	High Flow		
Uses	Film		
	Sheet		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.04 to 1.05	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	3.3	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.80	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	66		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	52.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress	102	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	2.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ISO 306

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