

HYBRANCH XC-540 HB

Specialty Polystyrene

DIC Corporation

Message:

HYBRANCH XC-540 HB is a Specialty Polystyrene product. It can be processed by injection molding and is available in Asia Pacific or North America.
Typical application: Electrical/Electronic Applications.
Characteristics include:
Good Processability
High Strength

General Information			
Features	Good Moldability		
	High Strength		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04 to 1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	1.7	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)	68		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	51.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	3.1	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ISO 306
Additional Information	Nominal Value	Unit	Test Method
Flexing Energy	0.559	J	Internal Method
Oil Resistance	5.00		Internal Method

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Recommended distributors for this material

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