

Biorene® HP-40

Polypropylene Alloy

Resirene, S.A. de C.V.

Message:

A hybrid resin between PP and Starch with excellent mechanical and thermal properties.

General Information			
Features	Renewable Resource Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0 to 8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	621	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	15.0	MPa	
Break	16.0	MPa	
Tensile Elongation			ASTM D638
Yield	3.0	%	
Break	15	%	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	140 to 180	°C	
Mold Temperature	40.0	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 to 180	°C	
Cylinder Zone 2 Temp.	160 to 180	°C	
Cylinder Zone 3 Temp.	160 to 180	°C	
Cylinder Zone 4 Temp.	160 to 180	°C	
Cylinder Zone 5 Temp.	160 to 180	°C	
Melt Temperature	90.0	°C	
Die Temperature	180 to 200	°C	

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Recommended distributors for this material

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