

ECOZEN® BP

Bio-based Copolyester

SK Chemicals

Message:

ECOZEN® BP is a Bio-based Copolyester material. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of ECOZEN® BP: Eco-Friendly/Green.

General Information			
UL YellowCard	E215991-101630724		
Features	Renewable Resource Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	0.20 to 0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	52.0	MPa	
Break	48.1	MPa	
Tensile Elongation ²			ASTM D638
Yield	5.8	%	
Break	150	%	
Flexural Modulus ³	2000	MPa	ASTM D790
Flexural Strength ⁴	82.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648
Glass Transition Temperature	90.0	°C	ASTM E1356
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.560		ASTM D542
Transmittance	90.0	%	ASTM D1003
Haze	< 1.0	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		
4.	1.3 mm/min		

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Recommended distributors for this material

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