

ECOZEN® SE

Bio-based Copolyester

SK Chemicals

Message:

ECOZEN® SE is a Bio-based Copolyester material. It is available in Asia Pacific, Europe, or North America.

Important attributes of ECOZEN® SE are:

Flame Rated

Eco-Friendly/Green

General Information			
UL YellowCard	E215991-100521458		
Features	Renewable Resource Content		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
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	51.0	MPa	
Break	42.0	MPa	
Tensile Elongation ²			ASTM D638
Yield	5.7	%	
Break	150	%	
Flexural Modulus ³	2130	MPa	ASTM D790
Flexural Strength ⁴	86.3	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)	85.0	°C	ASTM D648
Glass Transition Temperature	95.0	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	V-2		UL 94
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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