Technical Data Sheet

ECOZEN® T95

ECOZEN

Product description

ECOZEN® is a glycol-modified polyethylene terephthalate (PETG) with exceptional transparency and chemical resistance. Due to plant-derived biomass components (Carbon-based 4%), ECOZEN® has more heat resistance compared to SKYGREEN® grades ECOZEN® does not contain Bisphenol derivatives (BPA, etc.) and Phthalate-based plasticizer components regulated by the EU RoHS regulations. It also meets the requirements for food contact materials in Korea, the US, Europe, China, and Japan.

Applications

- Consumer Housewares
- Home Appliance
- Food and Beverage Packaging

Key Attributes

- High Heat Resistance
- Clarity

Notes

The data listed here is preliminary data sheet of product. Therefore this sheet should not be used to establish specification limits or used alone as a basis for design. This information is not intended as a warranty of any kind. Customers must make their own representative test and assume all risks of use, whether used alone or in combination with other products. SK Chemicals assumes no obligation or liability of any advice furnished by it or results obtained with respect to these products. All warranties of merchantability for a particular purpose or use are excluded and disclaimed.

Typical properties for

ECOZEN® T95

ASTM Method

Product Information

Property	Test Method	Unit	Result
Specific Gravity	ASTM D792	-	1.25
Mold Shrinkage	ASTM D955	%	0.2 ~ 0.5
Rockwell Hardness	ASTM D785	R-scale	115
Tensile Strength @ Yield	ASTM D638	Kgf/cm2	470
Tensile Strength @ Break	ASTM D638	Kgf/cm2	490
Elongation @ Yield	ASTM D638	%	5.7
Elongation @ Break	ASTM D638	%	250
Flexural Strength	ASTM D790	Kgf/cm2	770
Flexural Modulus	ASTM D790	Kgf/cm2	20,000
Izod Impact Strength Notched @ 23℃	ASTM D256	J/m	860
Heat Distortion Temperature @ 0.455 MPa / @ 1.820 MPa	ASTM D648	℃	83 / 73
Haze	ASTM D1003	%	< 1.0
Transmittance	ASTM D1003	%	90