

Product Data Sheet

SK Chemicals ECOZEN Copolyester T110

Ver. SK-140619

Property	Test Method	Unit	Typical Value
General properties			
Specific Gravity	ASTM D792	-	1.27
Mold Shrinkage (Parallel to Flow)	ASTM D955	%	0.2-0.3
Rockwell Hardness	ASTM D785	R-scale	119
Mechanical properties (ASTM)			
Tensile Strength @ Yield 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm ²)	51 (520)
Tensile Strength @ Break 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm ²)	44 (450)
Elongation @ Yield 50mm/min (2 inch/min)	ASTM D638	%	6.8
Elongation @ Break 50mm/min (2 inch/min)	ASTM D638	%	150
Flexural Strength 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm ²)	880
Flexural Modulus 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm ²)	2180 (22200)
Izod Impact Strength, Notched @ 23 °C (73 °F)	ASTM D256	J/m	No Break
Thermal properties			
Heat Distortion Temperature @ 0.455 MPa (66 psi)	ASTM D648	°C (°F)	100
@ 01.82 MPa (264 psi)		°C (°F)	-
Glass Temperature	ASTM D1525	°C (°F)	110
Optical properties			
Haze	ASTM D1003	%	< 1.0
Transmittance	ASTM D1003	%	89
Refractive Index, n_D	ASTM D542	-	1.56
Thermal properties (Flammability)			
UL Flammability Classification			
@ 1.0 mm thickness	UL-94	-	-
@ 1.5 mm thickness		-	-
@ 3.0 mm thickness		-	-

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.

Headquarter / R&D center

310, Pangyo-ro, Bundang-gu, Seongnam-si,
Gyeonggi-do,
463-400 Korea
TEL : +82-2-2008-2008 / FAX : +82-2-2008-2009

Ulsan Plant

718, Cheoyong-ro, Nam-gu, Ulsan,
680-160 KOREA
TEL : +82-52-256-0121 / FAX : +82-52-256-0652