SKYGREEN® S2008

PETG — SK Chemicals

SKYGREEN® S2008 is a glycol-modified polyethylene terephthalate (PETG) with excellent clarity and processability that makes it an attractive solution for versatile end-use applications.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Density, 73°F	1270	kg/m³	ASTM D 792

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Yield stress	49	MPa	ISO 527
Yield strain	4.1	%	ISO 527
Stress at Break	30	MPa	ISO 527
Strain at Break	240	%	ISO 527
Flexural Modulus (23°C)	1920	MPa	ISO 178
Flexural strength	67	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	8.8	kJ/m²	ISO 180/1A
Rockwell Hardness	R 110	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	44.6	MPa	ASTM D 638
Tensile Strength at Break	40.2	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	250	%	ASTM D 638
Flexural Modulus	2109	MPa	ASTM D 790
Flexural Strength	69.2	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Notched Impact Strength (Izod), 1/8 in	100	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	64	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	73	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	70	°C	ASTM D 648
DTUL @ 264 psi	62	°C	ASTM D 648

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003

Characteristics

Processing
Injection Molding, Sheet Extrusion

Special Characteristics
Transparent, Sterilizable

Certifications
Medical, Biocompatibility ISO 10993, US Pharmacopeia Class VI Approved, Food approval

Applications
Medical, Packaging

Disclaimer

Healthcare uses: the supply of any product by ALBIS for any medical, pharmaceutical or diagnostic application is conditional to an assessment by ALBIS in terms of compliance with ALBIS' internal risk management policy – even for products which are in general designated for use in Healthcare applications.
Important: irrespective of product type or designation, ALBIS does not recommend or support the use of any products it supplies which fall into the following medical, pharmaceutical or diagnostic application categories:

- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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