

Jiangsu Selexible Plastic Co., Ltd

TECHNICAL DATA SHEET

Product: PETG Sheet

Items	Test Method	Unit	Typical Value
Property			
Specific Gravity	ASTM D792	g/cm ³	1.29
Rockwell Hardness	ASTM D785	R-scale	106
Moisture Absorption	ASTM D570	%	0.15
Mechanical			
Tensile Strength@Yield	ASTM D638	Kgf/cm ²	496
Tensile Strength@Break 50mm/min(2 inch/min)	ASTM D638	Kgf/cm ²	281
Elongation@Yield	ASTM D638	%	3.7
Elongation@Break	ASTM D638	%	136
Flexural Strength 1.27mm/min(2 inch/min)	ASTM D790	Kgf/cm ²	620
Flexural Modulus 1.27mm/min(3 inch/min)	ASTM D790	Kgf/cm ²	20800
Lzod impact Strength Notched@23℃	ASTM D256	J/m	98
Thermal			
Heat Distortion Tempetature @0.45MPa(66 PSI)	ASTM D648	℃	77
Optical			
Haze	ASTM D1003	%	≤1.0
Transmittance	ASTM D1003	%	90
Refractive Index	ASDM D542	/	1.52
Flammability			
UL Flammability Classification @1.0mm thickness	UL 94	/	HB
UL Flammability Classification @1.5mm thickness	UL 94	/	HB
UL Flammability Classification @3.0mm thickness	UL 94	/	V-2
Electric			
Dielectric Strength (short time, 500V/sec)	ASTM D149	Kv/mm	16