

SLX2466T PRELIMINARY DATASHEET

SLX2466T has good anti-scratch, chemical resistance performance, and also balanced impact and transmission performance.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yield, Type I, 50 mm/min	77	MPa	ASTM D 638
Tensile Strain, break, Type I, 50 mm/min	65	%	ASTM D 638
Tensile Modulus, 50 mm/min	2470	MPa	ASTM D 638
Flexural Stress, 3.2mm, yield, 1.3mm/min, 50 mm span	110	MPa	ASTM D 790
Flexural Modulus, 3.2mm, 1.3 mm/min, 50 mm span	2260	MPa	ASTM D 790
Pencil Hardness test, 1kgf	HB	–	ASTM D3363
IMPACT	Value	Unit	Standard
Izod Charpy, 3mm, notched, 23°C	30	KJ/m ²	ISO 179
Instrumented Impact Total Energy, 23°C	74	J/m	ASTM D 3763
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	107	°C	ASTM D 648
PHYSICAL	Value	Unit	Standard
Specific Gravity	1.31	g/cm ³	ASTM D 792
Mold Shrinkage, flow (5)	0.7	%	SABIC Method
Mold Shrinkage, x-flow (5)	0.7	%	SABIC Method
Melt Flow Rate, MFR at 300°C/1.2 kg	15	g/10min	ASTM D1238
ELECTRICAL	Value	Unit	Standard
Dielectric Constant, 1.1 GHz	2.99	-	SABIC Method
Dissipation Factor, 1.1 GHz	0.0045	-	SABIC Method
OPTICAL	Value	Unit	Standard
Light Transmission, 1mm	87	%	ASTM D 1003
Haze, 1mm	0.7	%	ASTM D1003

CHEMICAL RESISTANCE	Value	Unit	Standard
Banana Boat, 1% Strain, 7days	Pass	-	SABIC ESCR Method

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	105	°C
Drying Time	4 - 6	hrs
Melt Temperature	280 - 320	°C
Nozzle Temperature	280 - 320	°C
Front - Zone 3 Temperature	280 - 320	°C
Middle - Zone 2 Temperature	270 - 310	°C
Rear - Zone 1 Temperature	260 - 300	°C
Mold Temperature	50 - 110	°C

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

(6) Needs hard coat to consistently pass 60 sec Vertical Burn.

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