

## Physical properties

Properties		ISO/EN
<b>Optical</b>	- Light transmission	ISO13468-1
	- Haze	ISO14782
	- Refractive index	ISO489A
<b>Mechanical</b>	Tensile strength	- Rupture - Elongation at rupture ISO527-2 ISO527-2
	Flexural strength	- Rupture - Modules of elasticity ISO178 ISO178
	Other	- Impact strength - Rockwell hardness - Barcol hardness ISO180 ISO2039-2 EN59
<b>Thermal</b>	- Specific heat	-
	- Temperature of deflection under load	ISO75-2
	- Coefficient of thermal expansion	ISO11359
<b>Mar Resistance</b>	- Pencil hardness	ISO 15184: 1996
<b>Electrical</b>	- Surface resistivity	-
<b>Others</b>	- Tabor abrader	ISO9352
	- Specific gravity	ISO1183
	- Water absorption	ISO62

Measure	Shinkolite™ DX Clear	Shinkolite™ L Clear	Shinkolite™ LX Clear	Shinkolite™ PX500 Clear	Shinkolite™ MR200W Clear
%	93	93	93	93	92
%	0.5	0.5	0.5	0.5	0.5
-	1.49	1.49	1.49	1.49	1.52 (surface layer)
Mpa	74	75	75	74	64
%	5	5	5	4.2	2.2
Mpa	120	120	120	120	91
Gpa	3.2	3.2	3.2	3.2	3.2
kJ/m2	1.8	2	2	2	-
-	98	100	100	100	100
-	-	-	-	52	-
J/g°C	1.5	1.5	1.5	1.5	1.5
°C	96	96	96	100	100
cm/ cm/°C	7E-05	7E-05	7E-05	7E-05	7E-05
	2H	2H	2H	2H	4H
Ω	>10 <sup>16</sup>	>10 <sup>16</sup>	>10 <sup>16</sup>	>10 <sup>16</sup>	>10 <sup>16</sup>
Hase%	40	40	40	40	1.5
g/cm3	1.19	1.19	1.19	1.19	1.19
%	0.3	0.3	0.3	0.3	0.3

Values provided should not be used for specification purposes.  
Some values will vary with sheet thickness.