



Arystal EX (100)

Extruded arylc sheet

271-7, Geumil-ro,
Geumwang-eup, Eumseong-gun,
Chungcheongbuk-do, KOREA
TEL : 82-43-883-2670
FAX : 82-43-883-2672
email : pv@plavex.co.kr

1. The quality and characteristic

These goods are contented with the standard of quality as below.

Item	Size	Test method	Mode of the inspection
1. Measure			
1) Width,Length			
≤1000mm	0~+2mm	JIS K 6718	Lot
1001~2000mm	0~+4mm		
2001~3000mm	0~+6mm		
≥3001	0~+7mm		
2) Thickness			
Under 1.0mm	± 0.10 mm	JIS K 6718	Lot
1.1 ~ 3.0mm	± 0.15 mm		
Over 3.1mm	± 0.20 mm		
3) Diagonal	Under 3.5×1/1000×b (b:Width of Plate)		Lot
2. Apperance			
1) Black spot *			
>3.0mm ²	None		Lot
1.0mm ² ~ 3.0mm ²	Two points more than 500 mm apart		
< 0.1mm ²	Permit		

Arystal EX (100)

Extruded arylc sheet

271-7, Geumil-ro,
Geumwang-eup, Eumseong-gun,
Chungcheongbuk-do, KOREA
TEL : 82-43-883-2670
FAX : 82-43-883-2672
email : pv@plavex.co.kr

2. Typical properties

Item	Unit	Method	Value
Density	g / cm ³	ISO 1183	1.19
Refractive index	-	ISO 489	1.49
Light Transmittance	%	ISO 13468-1	92
Haze	%	ISO 14782	1 ↓
Tensile strength	MPa	ISO 527-2	74
Elongation	%	ISO 527-2	5.5
Flexural strength	MPa	ISO 178	120
Flexural modulus	Gpa	ISO 178	3.2
Charpy impact strength (Notched)	KJ/m ²	ISO 179-2	1.5
Izod impact Strength (Notched)	KJ/m ²	ASTM D256	1.8
Rockwell hardness (M Scale)	M scale	ISO 2039	98
Heat deflection Temperature(1.8MPa)	°C	ISO 75	98
Vicat softening Temperature	°C	ISO 306	105
Water absorption (24hr)	%	ASTM D570	0.3
Coefficient of Linear Expansion	1/°C	ASTM D696	6 x 10 ⁻⁵

*Data given for the typical properties are average values and should not be used for specification purpose.