

Introduction & Features

EXEET KIREX POLYCARBONATE AR – Abrasion Resistance – sheet offers excellent impact resistance, scratch and graffiti resistance. It also exhibits superior light transmission and sound abatement.

Application: aircraft windows dust cover, machine guards, transit shelters.

Typical property values

Properties	Test Method	Units	Value	Note	
Specific Gravity (23/23°C)	ASTM D792	-	1.20		
Pencil Hardness (Mitsubishi Pencil)	ASTM D3363 (750g)	-	>HB		
Transmittance	ASTM D1003 (Type A)	%	>80		
Haze	ASTM D1003 (Type A)	%	<0.2		
Ball Drop Test	100g Steel Ball, 10mm, 5Time	-	No Problem		
Abrasion Test	ASTM D1044 500g*100TIMES	%	<5		
Temperature & Moist Variation	65°C, 90%RH, 24hours	-	No Variation		
Shrink & Expansion	1st heating (80°C, 2hrs) → Release (1hrs) & Size → 2nd heating (80°C, 2hrs) → Release (1hrs) & Size	%	±0.05%		
Attachment Value	ASTM D3359	-	100/100		
Printability	After UV coating, Felt-tip pen Writing test	-	No Problem		
Bending Value	Bend the sheet by Ø50, Check the Friction on the Surface	Ø	No Problem	100x200	
Quality Control	Pin Holes	By naked eyes	-	0.25mm ² : below 3ea	200x275
	Scratches	By naked eyes	-	No	
	Gear Marks	By naked eyes	-	No	

*The data listed herein is representative values for reference purpose only, and not to be construed as a warranty of minimum specification.