Material Data Sheet

PC Film/Sheet Product

DESCRIPTION

HCGG-AF is a both side Anti-fogging PC sheet. It's widely used for disposable, protective goggles application. Thanks to its excellent chemcial resistance of the coating, our Anti-fog PC sheet is resistance to water & > 95% alochol and is suitable for repeated use

HCGG-AF Hardcoat PC Sheet

TYPICAL PROPERTY VALUE

Property	Standard Test	Unit	Results
PHYSICAL			
Color/Density	**Transparent Clear**	± 5 %	1.2
Refraction Rate	JIS- D7105	%	1.49
Light Transmittion	ASTM - D 1003-61	% (min)	> 88
Haze	ASTM - D 1003-61	% (max)	0.3
MECHANICAL			
Pencil Hardness		JIS-D5400	HB
THERMAL			
Std. Temperature Resistance	ASTM - D 1525-76	°C	120
Heat Distortion Temperature	ASTM-D 1637	°C	140
Flammbility (if using UL resin)	UL94		V2
Melting Temperature	DSC Scanning	°C	255

Anti-Fog Properties	Result	Test Method
AF ability (60 ℃/3min)	Clear (above 3 times)	Put a coin in a beaker with 60℃ water and cover
AF ability (-15 ℃/3hr)	Clear	Put a coated sample in refrigerator (~15℃) for 3 hour After this, put out substrate and blow one's breath on it.
AF ability (-20 ℃)	Clear	Attach the coated substrate in front of full face helmet and breathe in -20℃ refrigerator. Observe the clearness and hazy of surface.
Soak Test	Clear	Soaking a coated sample in R.T. water for 3 day and dry a substrate 80℃/1 hr. After this, put out substrate and blow one's breath on it.
This Technical data is not available for legal certification. Only use for reference information of coating agent.		