

◆ Introduction & Features

EXEET® SHINELUX has a good reflective index and haze which make good diffusing, good transmittance and a brilliant surface. EXEET® SHINELUX have excellent concealment, good UV resistant and also have very good weathering ageing resistance, easily formed property, and high durability. Especially it has excellent molding performance. Also it has UL94 V-2 grade certificate. So EXEET® SHINELUX can be used a wide range of industries and form. Compare to other companies, EXEET® SHINELUX offers good Transmission, Lamp Efficiency and Low Power consumption. It will serve you an efficiency of energy. **LH04E** is model name of Polycarbonate diffusion sheet. It is used for the signboard application, **LH04E** is polish/ Emboss type.

◆ APPLICATION

- Signboard
- Store Display
- Molded Letters
- Shop Fittings
- Illumination Graphic Panel
- LED Lamp Cover

◆ Typical Property Values

Properties	Test Method	English		SI	
		Value	Units	Value	Units
Light Transmittance	ASTM D1003	%	43.1	%	43.1
Water Absorption	ASTM D570	%	0.10	%	0.10
Tensile Yield Strength	ASTM D638	psi	9544	MPa	65.8
Flexural Strength	ASTM D790	psi	15519	MPa	107
Tensile Modulus	ASTM D638	psi	304580	GPa	2.10
Flexural Modulus	ASTM D790	psi	390153	GPa	2.69
Izod Impact @3mm (P:Partial destruction)	ASTM D256	ft-lbs/in	13.3(P)	J/m	715.0(P)
Rockwell Hardness(HRR) R-SCALE	ASTM D785	-	119	-	119
Load-deformation temperature @1.80MPa	KS M ISO 75-2	°F	280	°C	138
Heating of dimensional change(Width) ((130±2)°C×30min)	KS M 3501 : 2004	%	-0.3	%	-0.3
Heating of dimensional change(Length) ((130±2)°C×30min)	KS M 3501 : 2004	%	-0.3	%	-0.3
Flammability class	UL94V	-	V2	-	V2
Surface roughness (EMBO)	-	ONE SIDE EMBO			

◆ The above information is typical values only, not for warranty purpose.

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Coexistence and common
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