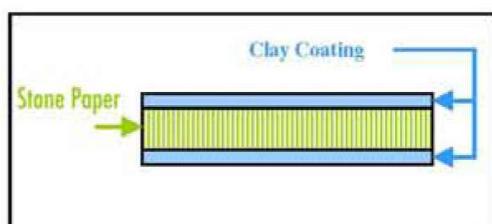




## FICHA TÉCNICA DE STONE PAPER® - PAPEL DE PIEDRA®

**Composición:** Carbonato de Calcio ( $\text{CaCO}_3$ ) + un co-ligante de Polietileno (PE) de alta densidad.



### CARBONATO CÁLCICO: $\text{CaCO}_3$

- Producido por Lih Hsiang Industrial Corporation en Taiwán.
- El Carbonato de Calcio ( $\text{CaCO}_3$ ): densidad y tamaño óptimo para producir el Papel de Piedra®.
- 98%  $\text{CaCO}_3$  + 2%  $\text{FeO}_3$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{MgO}$  y HC materia insoluble.
- Grado de blancura mínima: 98% GE.
- Grado de humedad máxima: 0,3%.

**Test realizado por SGS.**

CONTENIDO	
Cadmio	NO
Plomo	NO
Mercurio	NO
Cromo	NO
Ácidos	NO
Sal metálica	NO
Amidas	NO
PFOA	NO
Cloro	NO

**POLIETILENO ALTA DENSIDAD. HDPE:**

CONTENIDO	
Cadmio	NO
Plomo	NO
Mercurio	NO
Cromo	NO
Amianto	NO
CFC	NO
HCFC	NO
Bromo, Fluor	NO
Cloro	NO

**CONTENIDO DE COMPONENTES PELIGROSOS (ROHS)**

No se han encontrado traza de hidrocarburos de aceite mineral.

**DEGRADACIÓN**

Recomendado proteger con barnices UVI dado que es susceptible a la foto-degradación UV (340 A máximo) y a la degradación por el calor.

**RECICLAJE DE STONE PAPER® - CERTIFICADO CRADLE TO CRADLE**

- Categoría *Silver*.



## **CONTACTO CON ALIMENTOS:**

**Directo:** No recomendado por la posible migración de CaCO<sub>3</sub> a alimentos.

**Indirecto:** Recomendado. Por ejemplo: etiquetas adhesivas para botellas de vino, miel, aceites, conservas, etc.

## **RESISTENCIA A LA INMERSIÓN EN AGUA-HIELO:**

Perfecta resistencia a la inmersión prolongada en cubiteras de agua-hielo. (ejemplo: etiqueta adhesivada en botellas de vino). El diseño y la calidad de impresión se mantiene intacta.

PROPERTIES			PRODUCT					
ITEM	UNIT	TEST METHOD	RPD100	RPD120	RPD140	RPD160	RPD180	RPD200
Thickness	µm	CNS 3685	100±7%	120±7%	140±7%	160±7%	180±7%	200±7%
GSM	g/m <sup>2</sup>	CNS1352	120	144	168	192	216	240
Density	g/cm <sup>3</sup>	CNS3685	1.2±0.1	1.2±0.1	1.2±0.1	1.2±0.1	1.2±0.1	1.2±0.1
Opacity	%	CNS14931	85±3	88±3	91±3	92±3	94±3	95±3
Brightness	%	CNS12885	86±3	86±3	86±3	86±3	86±3	86±3
Roughness	µm	CNS15238	1.2~3.0	1.2~3.0	1.2~3.0	1.2~3.0	1.2~3.0	1.2~3.0
Gloss	%	CNS7299	2.0~2.5	2.0~2.5	2.0~2.5	2.0~2.5	2.0~2.5	2.0~2.5
Tensile Strength	kg/cm <sup>2</sup>	GB1040 MD/TD	1.9~2.4/ 2.0~2.5	2.3~2.8/ 1.9~2.4	2.4~2.8/ 1.8~2.1	2.8~3.4/ 2.0~2.5	2.8~3.4/ 2.2~2.6	2.8~3.4/ 2.2~2.6
Tensile Elongation	%	ISO1924/2 MD	200~280%	180~250%	180~240%	140~220%	140~210%/ 120~180%	120~180%
Tear Strength	kgf	GB16578 MD/TD	0.5~0.9/ 0.7~1.0	0.6~0.9/ 0.7~1.1	0.6~0.9/ 0.7~1.1	0.7~1.0/ 0.8~1.2	0.7~1.1/ 0.8~1.2	0.7~1.2/ 0.9~1.4
Surface Resistivity	Ω	ASTM D257	10 <sup>9</sup> ~10 <sup>10</sup>					
Surface Tension	Dyne	ASTM D2578	42†	42†	42†	42†	42†	42†
Stiffness	mN.m	ISO5628 MD/TD	0.1~0.2/ 0.1~0.2	0.1~0.2/ 0.1~0.3	0.1~0.3/ 0.2~0.3	0.2~0.3/ 0.2~0.4	0.2~0.5/ 0.3~0.5	0.4~0.6/ 0.3~0.6

<b>1. Identification</b>				
Material identity:		<b>Stone Paper</b>		
Producer Address:		NO. 24 Pei Shi Chau, Tainan County, Taiwan		
Emergency Number:				
<b>2. Composition</b>				
<i>Primary Ingredients</i>	<i>Chemical Name/Formula</i>	<i>Percentage*</i>		
Calcium Carbonate,	CaCO <sub>3</sub>	60-80%		
High Density Polyethylene, HDPE	Ethylene Polymer	18-38%		
Other Additives		2%		
Dangerous components:	None (see RoHS report)			
* Percentage varies according to the density and caliper of the material.				
<b>3. Hazards Identification</b>				
Physical form & appearance	Solid White Paper / Film			
Emergency overview	The material is not dangerous. Combustible. Not known to release toxic vapors, gases or fumes			
Potential acute health effects	Not Harmful			
<b>4. First Aid Measures</b>				
- Not Required -				
<b>5. Fire Fighting Measure</b>				
Suitable extinguishing Media	Water, Water fog, CO <sub>2</sub> , Foam or dry extinguishers			
Exiting media to be avoided	None required			
Protective clothing	None required			
<b>6. Spillage</b>				
- Not Required -				
<b>7. Handling and Storage</b>				
Handling	No special requirement			
Storage	Out of direct sun light, in well ventilated, cool and dry places			
Fire precautions	Avoid any contact with sources of extreme heat or fire			
<b>8. Personal Protection</b>				
Engineering control measures	None required			
Eye	None required			
Body	None required			
Respiratory	None required			
Hands	None required			
Feet	None required			
<b>9. Physical and Chemical Properties</b>				
Appearance	Solid			
Form	Sheets / Rolls			
Color	White / Blue-white			
Odor	None			
Flash point	> 570 °F > 300 °C			
Melting Point/Range	> 250 °F > 121 °C			
Explosive Properties	None known			
Specific Gravity	1.0 ~ 1.2 g/cm <sup>3</sup>			
<b>10. Stability and Reactivity</b>				
Stable at temperatures below melting point				
<b>11. Toxicological Information</b>				
Negative in patch test on sundries				
<b>12. Ecological Information</b>				
The product is not biodegradable. It can be recycled using suitable technologies. It is not a water endangering material. It will slowly degrade by solar UV irradiation.				
<b>13. Disposal Information</b>				
Dispose of in accordance with local, state and federal regulations. Landfilling and incineration can be considered in most cases suitable				
<b>14. Transportation Information</b>				
No special requirement				
<b>15. Regulation Information</b>				
None				
<b>16. Other Information</b>				
The information provided is to the best of our knowledge and accuracy. However, neither the above stated manufacturer nor any of its subsidiaries or affiliations assumes any liability whatsoever for the accuracy or completeness of the information contained herein. This document is not a technical sheet for use of the product, it is intended only as a guide to the appropriate precautionary handling of the material. Individual receiving the information must applying all the relevant regulations and taking all the relevant safety precautions.				