

CORIAN® QUARTZ PROPIEDADES DE RENDIMIENTO

Espesor Nominal

PROPIEDADES FÍSICAS

Propiedad	Prueba	Resultado Típico
Densidad	ASTM D792	2.4 g/cm ³
Espesor Nominal		2 cm and 3 cm
Peso aproximado por metro cuadrado (2cm)		10 lbs.
Peso aproximado por metro cuadrado (3cm)		15 lbs.
Expansión Térmica	ASTM D696	1.45 x 10 ⁻⁵ m/m°C (8.06 x 10 ⁻⁶ in./in.°F)
Dureza	Mohs Escala de Dureza	7

PROPIEDADES MECÁNICAS

Propiedad	Prueba	Resultado Típico
Flexibilidad	ASTM D790	>5,300 psi
Moldeabilidad	ASTM D790	5.3 - 5.7 x 10 ⁶ psi
Elongación	ASTM D790	>0.1%
Fuerza Compresiva (seco)	ASTM C170	27,300 psi
Fuerza Compresiva (mojado)	ASTM C170	24,400 psi

APTITUD DE USO

Propiedad	Prueba	Resultado Típico
Brillo	ANSI Z124	45-50
Rapidez de Color	NEMA LD 3-3.3	Sin efecto
Resistencia Impacto de Bola de Acero: Plancha sin Fractura - 1/2 lb. Bola de acero - 2 & 3 cm	NEMA LD 3-3.8	164" (Sin falla de altura)
Usabilidad y Limpieza	CSA B45.5-11/IAPMO Z124-2011	Aprobado
Resistencia a manchas	CSA B45.5-11/IAPMO Z124-2011	Aprobado
Resistencia a Hongos	ASTM G21	Rango ASTM de 0, No se observó crecimiento en producto a la potencia 100x
Resistencia a Bacterias	ASTM G22	No se observó crecimiento en producto a la potencia 100x
Resistencia a Microbios	UL Environment, UL 2824 (ASTM D6329)	Altamente resistente al crecimiento de moho
Resistencia al Agua Hirviendo	NEMA LD 3-3.5	Ninguno con efecto leve
Resistencia a Temperaturas Altas	NEMA LD 3-3.6	Ninguno con efecto leve
Congelamiento - Ciclo de Deshielo	ASTM C1026	Sin efecto
Punto de Impacto	ANSI Z124.6.4.2.1	Aprobado
Coeficiente de Fricción Estático	ASTM C1028	0.89/0.61 (Dry/Wet)
Resistencia de Abrasión	ASTM C501	139
Absorción de Agua	ASTM C373	0.12%
Corta y Larga Duración	ASTM D570	<0.04%
Expansión por Humedad	ASTM C370	<0.01% promedio

Resultados típicos para productos de 3 cm a menos que se especifique el calibre. Las propiedades pueden variar según la estética. Estos valores no están destinados a cálculos de ingeniería; si se requieren cálculos precisos, póngase en contacto con Corian® Design para obtener información adicional. El número de Aceptación de la Ciudad de Nueva York (MEA) es 431-00-M.

CORIAN® QUARTZ PERFORMANCE PROPERTIES

APTITUD DE USO

Propiedad	Prueba	Resultado Típico
Flamabilidad	NFPA 101®, Life Safety Code®	Clase A
Propagación de llama (FSV)	ASTM E84, NFPA 255 & UL 723)	FSI = 0 for 3 cm, FSI = 5 for 2 cm
Indice de Desarrollo de Humo	ASTM E84, NFPA 255 & UL 723)	SDI = 40 for 3 cm, SDI =75 for 2 cm
Valor de Propagación de Llama	CAN/ULC-S102	FSV=0 for 3 cm, FSV=5 for 2 cm
Valor de Desarrollo de Humo	CAN/ULC-S102	SDV=10 for 3 cm, SDV=40 for 2 cm

POR FAVOR VISITE WWW.CORIANQUARTZ.COM.MX, O CONTACTE A UN REPRESENTANTE CORIAN® DESIGN PARA MÁS INFORMACIÓN ACERCA DE CORIAN® QUARTZ.

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