KYDEX® 160RCL

Recycle grade, Class 1/A rated thermoplastic sheet

PURPOSE

KYDEX® 160RCL is an environmentally sustainable solution containing recycle content intended for hidden components or visible applications where color variation and minor surface imperfections are acceptable.

GENERAL INFORMATION

KYDEX® 160RCL is a recycle grade product that meets Class 1/A building code ratings up to a thickness of 3.18mm (0.125”). Its recycle content can contribute to a building’s environmental accreditation and certification such as LEEDS credits.

SUGGESTED APPLICATIONS

- Sound Diffusers & Acoustical Panels
- Interior Architectural Components
- Miscellaneous Applications

FEATURES

- Class 1/A rated up to 3.18mm (0.125”)
- A sustainable solution with recycle content to contribute to a building’s environmental accreditation/certification
- Resistant to a wide range of concentrated chemicals, allowing the use of stronger cleaning agents with no discoloration or surface damage
- Good formability and extensibility
- Easy to fabricate and machine

ENVIRONMENTAL & SAFETY CONSIDERATIONS

SEKISUI KYDEX, LLC is committed to ensuring that its products can be manufactured, transported, stored, used, disposed and recycled with an appropriate regard for safety, health and environmental protection. We support the safe handling of our products.

Please contact our appLab™ department at 800.682.8758 for resources and Safety Data Sheets or visit our website: http://www.kydex.com.

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KYDEX THERMOPLASTICS

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Property	Test Method	Typical Value[1,2]	
PHYSICAL			
Specific Gravity	ASTM D792	1.47	
Moisture Absorption, 24 hrs. @ 50°C	ASTM D570	0.09%	
MECHANICAL			
Tensile Strength	ASTM D638	42.7 MPa	6,200 psi
Tensile Modulus	ASTM D638	2,523 MPa	366,000 psi
Flexural Strength	ASTM D790	65.5 MPa	9,500 psi
Flexural Modulus	ASTM D790	2,482 MPa	360,000 psi
Izod Impact, notched	ASTM D256	374 J/m	7 ft-lb/in^2
Gardner Drop Dart Impact, GE	ASTM D5420	45.2 J	400 in-lb$_f$
THERMAL			
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D648	78.3 ºC	170ºF
FLAMMABILITY			
Steiner Tunnel Flame Spread/Smoke Development	ASTM E84	Class 1/A[3]	

1 Values based upon 3.18mm (0.125") sheet unless otherwise specified.
2 Values are representative and not guaranteed as actual values may vary due to recycle content variability
3 All thicknesses 3.18mm (0.125") and below.
* Not intended for specification purposes

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This information supersedes all previously published data.

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