

Product : Ecolite™ 20 **Grade :** SLRVRA1xx

Status⁴ : Commercial

Revision : 2

Date : 2-Oct-2025

General Description

Made in the USA, Azdel Composite Panels are constructed using a blend of polypropylene and fiberglass, creating an extremely strong and lightweight wall. The board is usually combined with outer layers as needed for the application. Azdel is a Light-Weight Reinforced Thermoplastic (LWRT) material with many advantages over standard, wood panels.

Typical Properties¹

Property	Test Method	Unit	Target Value
Sheet Thickness (as produced)	WI-LAB-056	mm	2.7
Basis Weight (mass-per-unit-area)	WI-LAB-003	g/m ²	1006
MD ² Flex. Stiffness	ASTM D 790	N/cm	11.5
CD ³ Flex. Stiffness	ASTM D 790	N/cm	8.5
MD ² Flex. Peak Load	ASTM D 790	N	25.3
CD ³ Flex. Peak Load	ASTM D 790	N	21.7
Water Absorption Test	WI-LAB-069	Pass/Fail	Pass
Z direction FWT - Ambient	ASTM C297	N	900 min
Flammability	ASTM E84	Grade	Class C+

Notes

1. Measured on flat plaques.
2. MD = Properties measured in the as manufactured Machine Direction.
3. CD = Properties measured perpendicular to the as manufactured Machine Direction (i.e.; Cross Machine.)
4. This data was compiled from small-sample testing conducted at Hanwha Azdel and is provided for informational purposes only. It is intended to be representative of the product's characteristics, but it has not been independently validated. Hanwha Azdel expressly disclaims any warranty of merchantability or fitness for a particular purpose, and no statement by any representative of Hanwha Azdel, including the data provided herein, is to be construed as creating any warranty, express or implied. Hanwha Azdel warrants only that its materials will conform to agreed specifications. Hanwha Azdel is a provider of raw materials; users of Hanwha Azdel's material must evaluate the suitability of Hanwha Azdel material for any use, design, or application through its own independent testing, the result of which Hanwha Azdel does not guarantee.

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