



ECOR

ECOR is design flexible, high density compressed molded fiberboard made 100% from recycled or waste cellulose fibers. As a host, total solution or hybrid, ECOR is suitable panel material for use in interior architectural décor, furniture & furnishings, signage, displays, packaging, consumer products, artwork, storage, shelving, automotive, aerospace, marine and rail applications. ECOR bonds well with virtually any adhesive, coating, treatment, laminate or veneers.

Properties	Test Methods	Units	ECOR Panels				
			OCC	Wetlap	UA Brown	RL White	Tetrapak
Density	ASTM D1037	lbs/ft ³	66.6	66.8	73.9	64.6	69.7
	EN 323	kg/m ³	1,067	1,070	1,184	1,034	1,116
Modulus of Rupture	ASTM D1037	psi	7,033	6,183	5,828	4,180	5,402
	EN 310	MPa	48.5	42.6	40.2	28.8	37.2
Bending Modulus of Elasticity	ASTM D1037	psi	873,000	625,000	809,000	459,000	713,000
	EN 310	MPa	6,020	4,310	5,580	3,170	4,920
Tensile Strength	ASTM D1037	psi	5,677	4,628	3,297	2,657	2,657
	ASTM D1037	MPa	39.1	31.9	22.7	18.3	18.3
Tensile Modulus of Elasticity	ASTM D1037	psi	701,000	755,000	835,000	650,000	686,000
	ASTM D1037	MPa	4,830	5,210	5,760	4,480	4,730
Internal Bond	ASTM D1037	psi	71.4	52.9	48.9	115.7	90.5
	EN 319	MPa	0.492	0.365	0.337	0.798	0.624
Thickness Swell	ASTM D1037	%	64.6	100.5	48.3	86.4	62.2
	EN 317	%	64.6	100.5	48.3	86.4	62.2
Length Increase [†]	ASTM D1037	%	0.194	0.194	0.151	0.141	0.217
	EN 319	%	0.194	0.194	0.151	0.141	0.217

Note 1: All the properties are at 65% Relative Humidity

Note 2: Nominal thickness = 2mm

† Length increase from 50% RH to 90% RH

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