MULTIBOARD® | CirculaRR (Multiboard + rLDPE, rHDPE)

Multiboard Barrier made with recycled* plastics

Grammage	g/m²	280	300	325	350	375	400	425	450	475	500
Thickness	µm	375	405	445	480	515	550	585	630	660	695
Thickness + PE*	µm	-	-	-	-	-	-	-	-	-	-
Bending resistance L & W 15°, mN	MD	275	335	420	515	620	745	890	1050	1180	1350
	CD	100	120	150	185	225	270	310	370	410	470
Bending stiffness DIN 5°, mNm	MD	24,5	30,0	37,9	46,7	56,5	68,2	82,2	97,8	110,4	126,9
	CD	9,7	11,6	14,6	17,9	21,8	26,2	30,1	35,9	39,8	45,6
Bending moment Taber 15°, mNm	MD	13,3	16,2	20,3	24,9	29,9	36,0	43,0	50,7	57,0	65,1
	CD	4,8	5,8	7,2	8,9	10,9	13,0	15,0	17,9	19,8	22,7

* Thickness Multiboard + PE = Thickness Multiboard + 0,8 x PE-grammage. Ex. Multiboard 300 g/m² + PE 25 g/m². Thickness= 405 + 0,8 x 25 = 425 µm

Brightness	ISO (R457) %	79
Whiteness	ISO (D65/10) %	84
Test climate	50% RH/23° C	

Tolerances based upon 95 % confidence limits.

Grammage	+/- 4 %
Thickness	+/- 5 %
Bending resistance	- 15 %
Brightness	min 78 %

Bending resistance is measured. Bending stiffness and bending moment are calculated from measured bending resistance. Test methods:

Grammage	ISO 536
Thickness	ISO 534
Bending resistance	ISO 2493
Bending moment	Tappi 489
Bending stiffness	DIN 53121
Brightness (R457)	ISO 2470
Whiteness ISO (D65/10)	ISO 11475

Chemically recycled polyethylene certified under ISCC PLUS. All technical performance and certifications (including food contact applications) of MBO Barrier remain the same.

April 2026. This specification can be changed without notification.

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