

TECHNICAL DATA SHEET



Flexus™ IBC Film

FILM DESCRIPTION: Single-layer metallocene linear low-density polyethylene structure (mLLDPE)

BENEFITS: Superior flexibility and flex-crack resistance, excellent puncture resistance, sealability and reliability

TYPICAL APPLICATIONS: Multiple, including food, chemical, pharmaceutical

COMPLIANCE: USFDA food contact, Kosher and IMS regulations

MATERIAL	Metallocene linear low-density polyethylene			
Maximum recommended fill temperature	190°F			
MECHANICAL PROPERTIES	TEST REFERENCE	TYPICAL VALUE	TYPICAL VALUE	TYPICAL VALUE
Gauge (typical)	ASTM D-374	4.0 mil	3.2 mil	2.75 mil
Trouser tear	ASTM D-1938	MD 950 g TD 1050 g	MD 850 g TD 950 g	MD 450 g TD 650 g
Tensile strength at break	ASTM D-882	MD 10.0 kg TD 9.5 kg	MD 9.0 kg TD 8.5 kg	MD 6.0 kg TD 5.0 kg
Elongation at break	ASTM D-882	MD 900% TD 850%	MD 850% TD 800%	MD 550% TD 600%
Puncture resistance	ASTM D-3420	700 g	675 g	600 g
Oxygen Transmission Rate	ASTM D-3985	N/A	N/A	N/A
Water Vapor Transmission Rate	ASTM F-1249	N/A	N/A	N/A
Coefficient of Kinetic Friction	ASTM D-1894	0.1-0.15	0.1-0.15	0.1-0.15
FDA-approved resins	21 CFR 177	Yes	Yes	Yes

NOTES:

N/A indicates that this measurement is not applicable to this film

Tests on individual samples may vary from the results shown above. The information listed above is typical and not provided as a guarantee of performance. All statements, technical information and recommendations contained herein are based on tests CDF believes to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following warranty is made in lieu of all other warranties, expressed or implied. CDF warrants its products will be free from defects in material and workmanship upon delivery. CDF's sole obligation and liability shall be to replace products that are defective provided the defective products are returned to CDF. The foregoing limited warranty is exclusive and expressly in lieu of all other warranties (express or implied including but not limited to the warranties of merchantability and fitness for a particular purpose), liabilities, or claims or remedies in contract, tort or otherwise. Neither CDF nor its suppliers shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use of or inability to use the products. **Prior to use, the user shall independently determine the suitability of the products for the user's intended use and user assumes all risk and liability whatsoever in connection therewith.**

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Specifications subject to change without notice.
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