

PROVISIONAL DATA SHEET



VF-MDO90-CN



Verdafresh™ MDO-PE 0.90 mil

Verdafresh MDO-PE is an optimized printing substrate with outstanding clarity, stiffness, tensile strength, and exceptional barrier properties. The structure comprises machine-direction oriented high-density polyethylene and the Verdafresh barrier coating. The coating is compatible with various printing techniques and can be laminated with a PE sealant web to form a 98+% PE mono-material film structure. Verdafresh MDO-PE is suitable for products requiring high barrier packaging, such as snack bars and bakery mixes, and is especially ideal for thin-gauge applications.

Physical Properties

Properties	Test Method	Unit of Measure	Typical Values
Gauge		mil	0.90
Yield		in ² /lb.	28,480
Tensile @ Break	ASTM D882	psi MD TD	32,250 5,240
Elongation @ Break	ASTM D882	% MD TD	30 5
Tensile @ Yield	ASTM D882	psi MD TD	32,250 5,240
Elongation @ Yield	ASTM D882	% MD TD	30 5
Stiffness (1% secant modulus)	ASTM D882	psi MD TD	308,000 255,000
Elmendorf Tear	ASTM D1922	grams MD TD	25 200
Coefficient of Friction	ASTM D1922	Static Kinetic	0.50 0.40
Haze	ASTM D1003	%	9
Gloss	ASTM D2457	GU	99
OTR	ASTM D3985	cc/100in ² /day	≤0.35
WVTR	ASTM F1249	grams/100in ² /day	0.3
Corona Treatment		Dynes	44

Additional license



Purchasers of this film are permitted to display the Verdafresh “Recycle Ready Protective Packaging” logo on their packages.

Disclaimer: The above properties and results obtained refer to the average values of laboratory testing carried out on sample Verdafresh product. Verdafresh does not guarantee testing accuracy and makes no guarantee of product performance, safety, or suitability, either expressed or implied, when used alone or in combination with other products. Verdafresh strongly urges users to undertake independent testing in order to verify the suitability of the product for whatever intended use. Verdafresh assumes no responsibility for any damage or injury sustained as a result of the use of its products.

