



# Technical Data

## High Density Polyethylene HMW Film Grade

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### ICELENE L5005

HDPE HMW Film

Density: 0.95

MFI: 0.05

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### Applications

L5005 is a high molecular weight high density copolymer that provides broad bimodal molecular weight distribution, high stiffness and good heat seal response and strength. Typical application include merchandise bags, grocery sacks, trash can liners, produce bags and roll stock.

### Physical Properties<sup>1</sup>

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.057	g/10 min	D 1238
Density	0.949	g/cc	D 1505
Dart Drop Test	2.05	ft-lbs/mil	D 3420
Elmendorf Tear Strength MD(TD)	14 (35)	g	D-1922
Tensile Strength @ Yield, MD (TD)	3,800 (3,400)	psi	D 882
Tensile Strength @ Break, MD (TD)	8,500 (5,000)	psi	D 822
Elongation @ Break, MD (TD)	300 (420)	%	D 882
Secant Modulus, MD (TD)	115,000 (140,000)	psi	D 882

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<sup>1</sup> Typical values which can vary within specification limits and are not to be construed as specifications

The information on this document is, to our knowledge, true and accurate. However, since the particular uses and the actual condition of use of our products are beyond our control, establishing satisfactory performance of the product for the intended applications is the customer's sole responsibility.