

# UF1001DN

## Description

Outstanding dart impact strength and excellent processability

Co-monomer : 1-Butene

Additives : No-Slip & Non-Anti-Block

## Application

Food packaging and industrial lamination film

## Key Features

UF1001 Series

Properties	Method	Condition	Unit	UF1001DN
<b>Physical</b>				
MFI	ASTM D1238	190°C, 2.16kg load	g/10min	1
Density	ASTM D1505	Density-Gradient	g/cm <sup>3</sup>	0.918
<b>Film Properties</b>				
Tensile Strength at Break Point, MD	ASTM D882	500mm/min	kgf/cm <sup>2</sup>	350
Tensile Strength at Break Point, TD	ASTM D882	500mm/min	kgf/cm <sup>2</sup>	350
Elongation at Break Point, MD	ASTM D882	500mm/min	%	550
Elongation at Break Point, TD	ASTM D882	500mm/min	%	800
Secant Modulus - 1% Secant, MD	ASTM D882	500mm/min	kgf/cm <sup>2</sup>	2700
Secant Modulus - 1% Secant, TD	ASTM D882	500mm/min	kgf/cm <sup>2</sup>	3100
Dart Impact Strength	ASTM D1709	Method A	g	<135
Elmendorf Tear Strength, MD	ASTM D1922	500mm/min	gf/μm	170
Elmendorf Tear Strength, TD	ASTM D1922	500mm/min	gf/μm	360
Haze(25μm)	ASTM D1003	25μm	%	13
<b>Thermal</b>				
Melting Temperature	LG Method	by DSC	°C	121

## Note

The properties data in this table are typical values, and not guaranteed specification.

Typical film property values are measured on 25μm film specimens(BUR 2.5, processing temperature 170°C).

Issued Date : 2022-02-11

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.