Typical Properties

Item		Unit	DC061			Conventional Product			Test Method
Thickness		μm	70	60	50	70	60	50	—
Haze		%	52	49	38	45	43	42	JIS K 7105
Coefficient Of Static Friction		—	1.0	1.0	1.0	0.9	0.9	0.9	TOYOBO Method
Tear Strength	MD	N	0.2	0.1	0.1	4.0	3.0	2.9	JIS K 7128
Young's Modulus	MD	MPa	480	510	480	440	440	450	JIS K 7217
	TD		530	560	450	390	400	400	

・These data are typical values, not guaranteed values.
・Film properties are subject to change without notice.
・When opening a bag in which the material is incorporated as a sealant, a thin strip may be generated at the cut edge.
・Please carefully examine the application prior to your practical use.

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2020.09(K01617)

TOYOBO
Ideas & Chemistry

Straight Cuttable!!

Under Development

Easy Handling!!

PYLEN™

DC061

TOYOBO's new polypropylene sealant film, PYLEN™ (DC061), provides retortability and straight cuttability in machine direction.

Laminate structure :
PET#12//Aluminum#7//ONY#15//DC061#60

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Straight Cuttable Sealant (MD)
High Retort Type
DC061

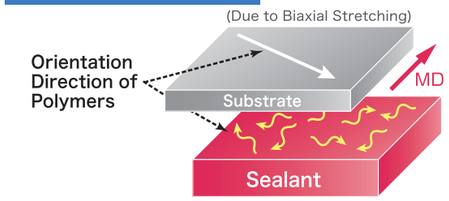
TOYOBO CO., LTD.

TOYOBO's High Functional Film Considering Consumer's Usability

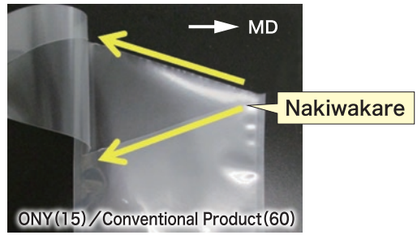
Developed For "Easy Opening" and "Straight Cuttable"

Feature Straight Cuttability in Machine Direction

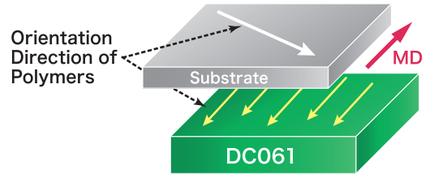
Conventional Product



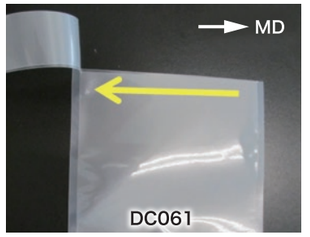
Easily Affected by Substrate



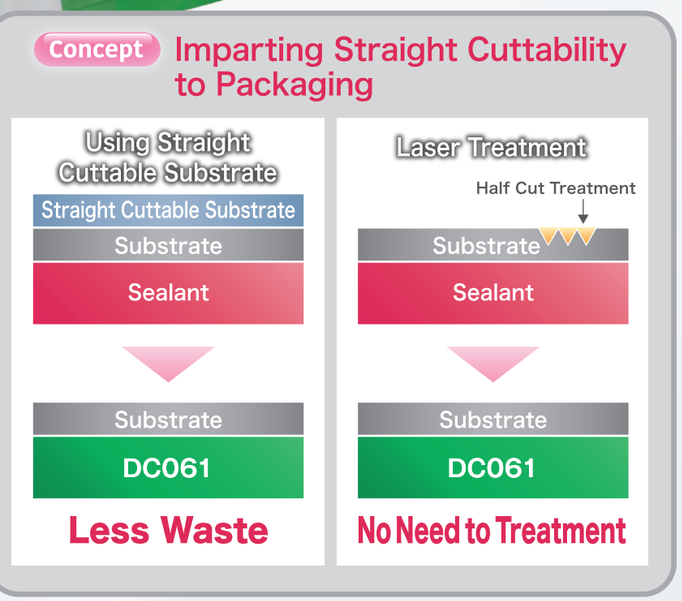
DC061 (Under Development)



Straight Cuttable



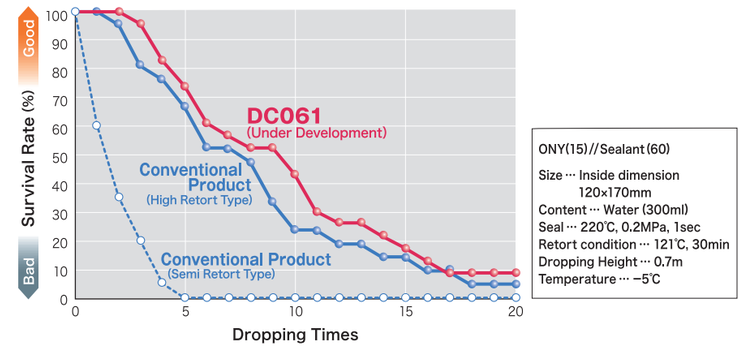
Concept Imparting Straight Cuttability to Packaging



Practical Properties

1 Bag-Breaking Resistance

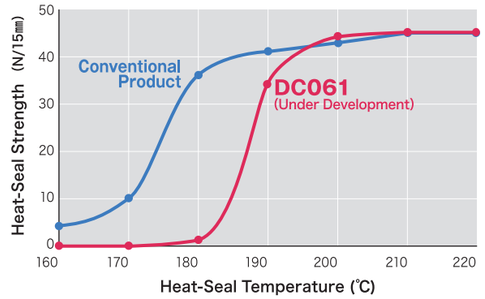
Excellent Bag-Breaking Resistance Compared with Conventional Product



ONY(15)//Sealant(60)
Size … Inside dimension 120×170mm
Content … Water (300ml)
Seal … 220℃, 0.2MPa, 1sec
Retort condition … 121℃, 30min
Dropping Height … 0.7m
Temperature … −5℃

2 Heat-Seal Properties*1

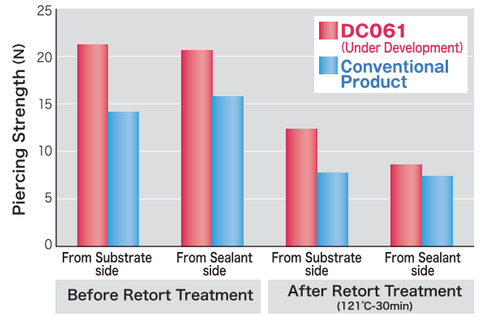
Same Maximum Heat-seal Strength as Conventional Product



*1 : Structure=PET(12)//Al(7)//Sealant(60) Sealing Condition=0.2MPa×1.0sec

3 Piercing Strength*2

Excellent Piercing Strength Compared with Conventional Product



*2 : Structure=ONY(15)//Sealant(60)

These data are typical values, not guaranteed values.