

SUMILITE® CEL-4541

Linear Low Density Polyethylene

Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®CEL-4541 is a linear low density polyethylene product. It can be processed by co-extrusion or thermoforming and is available in North America. SUMILITE®CEL-4541 application areas include packaging and movies.

Features include:

Good flexibility

Heat resistance

General Information	
Features	Good flexibility Heat resistance, high Soft
Uses	Multilayer film Food packaging
Appearance	Clear/transparent
Forms	Particle
Processing Method	Co-extrusion molding Thermoforming

Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield, 120 μm	49.0	MPa	ASTM D882
TD: Yield, 120 μm	44.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 120 μm	410	%	ASTM D882
TD: Fracture, 120 μm	410	%	ASTM D882

Elastomers	Nominal Value	Unit	Test Method
Tear Strength			ASTM D624
Transverse flow	127	kN/m	ASTM D624
Flow	157	kN/m	ASTM D624

Optical	Nominal Value	Unit	Test Method
Transmittance (120 μm)	90.0	%	ASTM D1003

Additional Information			
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In conformity with Notification No.370 of the MHLW Food Hygiene and Sanitation Law.The values listed as ASTM D882 were tested in accordance with JIS Z1702The values listed as ASTM D624 was tested in accordance with JIS K7128 CThe values listed as ASTM D1003 were tested in accordance with JIS Z7105Oxygen Gas Permeability, JIS K7126 B (OXTRAN), 25°C, 65% RH: 2 cm³/m²/24h/atm

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