

SUMILITE® NS3451

Polypropylene
Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®NS3451 is a polypropylene product. It is available in North America. Typical application areas are: thin plates.
Features include:
moisture resistance
Impact resistance

General Information			
Features	Moisture resistance		
	Impact resistance, high		
Uses	Sheet		
Appearance	Clear/transparent		
Forms	Particle		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield, 300 μm	48.0	MPa	ASTM D882
TD: Yield, 300 μm	46.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 300 μm	840	%	ASTM D882
TD: Break, 300 μm	860	%	ASTM D882
Flexural Modulus			ASTM D790
MD	840	MPa	ASTM D790
TD	833	MPa	ASTM D790
Water Vapor Transmission	0.74	g/m ² /24 hr	ASTM E96
Optical	Nominal Value	Unit	Test Method
Transmittance (300 μm)	91.0	%	ASTM D1003
Haze (300 μm)	28	%	ASTM D1003
Additional Information			

The values listed as ASTM D882 were tested in accordance with JIS K6758The value listed as ASTM D790 was tested in accordance with JIS K7106The values listed as ASTM D1003 were tested in accordance with JIS K7105The value listed as ASTM E96 was tested in accordance with JIS Z0208Dupont Impact Strength, JIS K7211: 64.7 NcmOptimum Forming Temperature, FBP-M2 Applied: 128 to 142°C Curling Height: 3.0 mm Promptly measured 10 Minutes Later 3.6 mm

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

