

Supreme™ 021S

Supreme™ 021S, metallocene POP, is an ethylene-octene copolymer that performs well in a wide range of general purpose of POP blown film applications, and has excellent melt flow characteristics.

Applications: Low-temperature Seal Packaging, Lamination Film, Impact Modification, etc.

Additives Antiblock: Yes Slip: Yes

		Typical Values	Unit	Test Method	
Resin Properties	Co-monomer	Octene-1		SK Method	
	Density	0.902	g/cm ³	ASTM D1505	
	MI	1.0	g/10min	ASTM D1238	
	Melting Point	~ 100	°C	SK Method	
Film Properties*	Dart Drop Impact	> 1000	g	ASTM D1709	
	Haze	5	%	ASTM D1003	
	Lowest Heat-seal Temp.	80	°C	SK Method	
	Initial Tear Strength	MD	75	kg/cm	ASTM D1004
		TD	90	kg/cm	ASTM D1004
	Elmendorf Tear Strength	MD	10	g/um	ASTM D1922
		TD	17	g/um	ASTM D1922
	Tensile Strength at Break	MD	480	kg/cm ²	ASTM D882
		TD	425	kg/cm ²	ASTM D882
	Elongation at Break	MD	600	%	ASTM D882
		TD	620	%	ASTM D882
	Secant Modulus (1%)	MD	695	kg/cm ²	ASTM D882
		TD	780	kg/cm ²	ASTM D882

Conditions for blown film production

- Machine: Macci blown film line with 50Ø screw
- Film specification: 50um x 600mm

These are typical values and are not to be construed as specifications. The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.