

BO1801 series

Description

Characteristics	<ul style="list-style-type: none"> ▪ Excellent Toughness and Stiffness ▪ High Clarity and Gloss ▪ Excellent Heat Seal Properties 	<ul style="list-style-type: none"> ▪ Very Small Extractables ▪ Excellent Bubble Stability
Applications	<ul style="list-style-type: none"> ▪ Lamination Film ▪ Stretch Hood 	<ul style="list-style-type: none"> ▪ Agriculture Film ▪ Other High Strength Films
Processing Recommendation	Processing Temperature 150~190°C / BUR 2.0~3.0	
Specification data	Complies with FDA 21 CFR 177.1520 Complies with EU, 10/2011	

Physical Properties

Resin Properties	Unit	Test Method	BO1801	BO1801MS	BO1801N	BO1801EN
Density	g/cm ³	ASTM D1505	0.918	0.918	0.918	0.917
Melt Index (190°C, 2.16kg)	g/10min	ASTM D1238	1.0	1.0	1.0	1.0
Vicat Softening Temperature	°C	ASTM D1525	105	105	105	105
Melting Temperature	°C	ASTM D3418	120	120	120	120
Additives	-	-	AO, PPA, S(1000) AB(1500)	AO, PPA, S(600) AB(2500)	AO, PPA, AB(2500)	AO, PPA
Film Properties	Unit	Test Method	BO1801	BO1801MS	BO1801N	BO1801EN
Tensile Strength at Break (MD/TD)	kg/cm ²	ASTM D882	750/650	750/650	750/650	750/650
Elongation at Break (MD/TD)	%	ASTM D882	400/530	400/530	400/530	400/530
Elmendorf Tear Strength (MD/TD)	gf	ASTM D1922	350/450	330/450	330/450	350/450
Dart Impact Strength (A)	gf	ASTM D1709	1300	1280	1280	1350
Haze	%	ASTM D1003	13	13	13	12
Gloss (45°)	-	ASTM D2457	79	79	79	81

1. Film Processing Condition : Φ40mm Blown Film Extruder, 180°C, BUR 2.5, Φ100mm Die, Film thickness 0.030mm
2. Additives : AO (Antioxidant), AB (Anti Blocking Agent), S (Slip Agent), PPA (Polymer Processing Aid)
3. These are typical properties only and are not to be construed as specifications.

*NOTICE: Prior to use for any commercial purpose, the customer is fully responsible for determining its suitability for intended application and for ensuring its disposal practices are in compliance with applicable laws and other governmental enactments. DAELIM assumes no obligation or liability in this regard. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.