AMTOPP VA18

Polypropylene

Inteplast Group

Message:

Laminating CoEx Heat Sealable
BIAXIALLY ORIENTED POLYPROPYLENE FILM, SLIP STABLE ONE SIDE SEALABLE FOR FOOD PACKAGING

Across Flow, 130°C < 3.0 % Flow, 130°C < 5.0 % Mechanical Nominal Value Unit Test Method Coefficient of Friction .25	General Information			
Physical Nominal Value Unit Dimensional Stability¹	Features	Slip		
Physical Nominal Value Unit Dimensional Stability ¹	Uses	Film		
Dimensional Stability Across Flow, 130°C 4.3.0 % Flow, 130°C 4.5.0 % Mechanical Nominal Value Unit Test Method Coefficient of Friction 0.25		Food Packaging		
Dimensional Stability Across Flow, 130°C 4.3.0 % Flow, 130°C 4.5.0 % Mechanical Nominal Value Unit Test Method Coefficient of Friction 0.25				
Across Flow, 130°C < 3.0	Physical	Nominal Value	Unit	
Flow, 130°C < 5.0 %	Dimensional Stability ¹			
Mechanical Nominal Value Unit Test Method Coefficient of Friction 0.25	Across Flow, 130°C	< 3.0	%	
Coefficient of Friction ASTM D1894 Dynamic 0.25 Static 0.35 Films Nominal Value Unit Test Method Film Thickness - Tested 18 µm Tensile Strength ASTM D882 MD: Yield 11.7 MPa TD: Yield 207 MPa Tensile Elongation % ASTM D882 MD: Break 190 % ASTM D882 MD: Break 70 % ASTM F1249 TD: Break 70 ym²/24 hr ASTM F1249 Water Vapor Transmission Rate (38°C, 90% Yes ASTM F1249 Water Seal Temperature - Untreated side 3 93 °C Surface Energy 40 ym²/ca ASTM D2578 Optical Nominal Value Unit Test Method Optical Nominal Value Yes ASTM D2457 Haze 2.5 to 3.5 % ASTM D2457 Haze 2.5 to 3.5 % ASTM D2457 MD	Flow, 130°C	< 5.0	%	
Dynamic 0.25 Static 0.35 Films Nominal Value Unit Test Method Film Thickness - Tested 18 µm Tensile Strength ASTM D882 MD: Yield 11.7 MPa TD: Yield 207 MPa Tensile Elongation 4STM D882 MD: Break 190 % TD: Break 70 % Water Vapor Transmission Rate (38°C, 90% RH) 7.0 g/m²/24 hr ASTM F1249 Yield 2 62.6 m²/kg Test Method Heat Seal Temperature - Untreated side 3 93 °C Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 ASTM D2578 ASTM D2578 Haze 2.5 to 3.5 % ASTM D2578 NOTE Test Method Test Method Test Method	Mechanical	Nominal Value	Unit	Test Method
Static 0.35 Films Nominal Value Unit Test Method Film Thickness - Tested 18 µm Tensile Strength	Coefficient of Friction			ASTM D1894
Films Nominal Value Unit Test Method Film Thickness - Tested 18 µm Tensile Strength	Dynamic	0.25		
Film Thickness - Tested 18	Static	0.35		
Tensile Strength ASTM D882 MD : Yield 11.7 MPa TD : Yield 207 MPa Tensile Elongation ASTM D882 MD : Break 190 % TD : Break 70 % Water Vapor Transmission Rate (38°C, 90% RH) 7.0 g/m²/24 hr ASTM F1249 Yield ² 62.6 m²/kg Heat Seal Temperature - Untreated side ³ 93 °C Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE Tensile Elongation Method Internal Method	Films	Nominal Value	Unit	Test Method
MD: Yield 11.7 MPa TD: Yield 207 MPa Tensile Elongation ASTM D882 MD: Break 190 % TD: Break 70 % Water Vapor Transmission Rate (38°C, 90% RH) 7.0 g/m²/24 hr ASTM F1249 Yield ² 62.6 m²/kg Tenses ASTM F1249 Yield ² 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE 1 5 minutes 2. Internal Method Tenses Herbert	Film Thickness - Tested	18	μm	
TD : Yield 207 MPa Tensile Elongation ASTM D882 MD : Break 190 % TD : Break 70 % Water Vapor Transmission Rate (38°C, 90% PRH) 7.0 g/m²/24 hr ASTM F1249 Yield ² 62.6 m²/kg F1249 Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 XSTM D2457 Haze 2.5 to 3.5 % ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE Internal Method Internal Method Internal Method	Tensile Strength			ASTM D882
Tensile Elongation ASTM D882 MD: Break 190 % TD: Break 70 % Water Vapor Transmission Rate (38°C, 90% RH) 7.0 g/m²/24 hr ASTM F1249 Yield² 62.6 m²/kg Heat Seal Temperature - Untreated side³ 93 °C Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 4STM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE 1. 5 minutes 2. Internal Method	MD : Yield	11.7	MPa	
MD: Break 190 % TD: Break 70 % Water Vapor Transmission Rate (38°C, 90% RH) 7.0 g/m²/24 hr ASTM F1249 Yield 2 62.6 m²/kg Heat Seal Temperature - Untreated side 3 93 °C Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE Test Method Nominal Value Master Mas	TD : Yield	207	MPa	
TD: Break 70 % Water Vapor Transmission Rate (38°C, 90% RH) 7.0 g/m²/24 hr ASTM F1249 Yield ² 62.6 m²/kg - Heat Seal Temperature - Untreated side ³ 93 °C Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE 1. 5 minutes 2. Internal Method Internal Method	Tensile Elongation			ASTM D882
Water Vapor Transmission Rate (38°C, 90% RH) 7.0 g/m²/24 hr ASTM F1249 Yield ² 62.6 m²/kg Heat Seal Temperature - Untreated side ³ 93 °C Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 . ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE 1. 5 minutes 2. Internal Method	MD : Break	190	%	
RH) 7.0 g/m²/24 hr ASTM F1249 Yield ² 62.6 m²/kg	TD : Break	70	%	
Yield ² 62.6 m ² /kg Heat Seal Temperature - Untreated side ³ 93 °C Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE 1. 5 minutes 2. Internal Method	Water Vapor Transmission Rate (38°C, 90%			
Heat Seal Temperature - Untreated side ³ 93 °C Surface Energy 40 dyne/cm ASTM D2578 Optical Nominal Value Unit Test Method Gloss (45°) 85 ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE 1. 5 minutes 2. Internal Method				ASTM F1249
Surface Energy40dyne/cmASTM D2578OpticalNominal ValueUnitTest MethodGloss (45°)85ASTM D2457Haze2.5 to 3.5%ASTM D1003NOTE1.5 minutes2.Internal Method				
OpticalNominal ValueUnitTest MethodGloss (45°)85ASTM D2457Haze2.5 to 3.5%ASTM D1003NOTE1.5 minutes2.Internal Method		93	°C	
Gloss (45°) 85 ASTM D2457 Haze 2.5 to 3.5 % ASTM D1003 NOTE 1. 5 minutes 2. Internal Method	Surface Energy	40	·	ASTM D2578
Haze 2.5 to 3.5 % ASTM D1003 NOTE 1. 5 minutes 2. Internal Method	Optical	Nominal Value	Unit	Test Method
NOTE 1. 5 minutes 2. Internal Method	Gloss (45°)	85		ASTM D2457
1. 5 minutes 2. Internal Method	Haze	2.5 to 3.5	%	ASTM D1003
2. Internal Method	NOTE			
	1.	5 minutes		
3. 1/2 sec, 30 PSI	2.	Internal Method		
	3.	1/2 sec, 30 PSI		

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