Propafoil[™] RVG120

Polypropylene Alloy

Innovia Films Ltd.

Message:

Metallized Film

Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with polyolefinic polymers and subsequently metallized on one surface. RVG120 is particularly suited to form-film-seal packaging of confectionery, bakery items, ice-cream and grocery products. The metallized surface provides an excellent barrier to UV/visible light, retards rancidity, extends shelf-life and prevents show through of the packaged product.

General Information			
Features	Excellent Printability		
	Food Contact Acceptable		
	Good Adhesion		
	Good UV Resistance		
	Heat Sealable		
	Low Moisture Vapor Transmission		
Uses	Bi-axially Oriented Film		
	Food Service Applications		
	Laminates		
	Packaging		
Appearance	Metallized - Colors		
Forms	Film		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Physical Density - Optical	Nominal Value 2.20	Unit	Test Method BS 4432
Physical Density - Optical Shrinkage	Nominal Value 2.20	Unit	Test Method BS 4432 Internal Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C	Nominal Value 2.20 6.0	Unit %	Test Method BS 4432 Internal Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C	Nominal Value 2.20 6.0 -1.0	Unit % %	Test Method BS 4432 Internal Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment	Nominal Value 2.20 6.0 -1.0 38	Unit % % dyne/cm	Test Method BS 4432 Internal Method Internal Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield	Nominal Value 2.20 6.0 -1.0 38 36.7	Unit View of the second	Test Method BS 4432 Internal Method Internal Method Internal Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield Mechanical	Nominal Value 2.20 6.0 -1.0 38 36.7 Nominal Value	Unit V % % dyne/cm m²/kg Unit	Test Method BS 4432 Internal Method Internal Method Internal Method Test Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield Mechanical Coefficient of Friction 1	Nominal Value 2.20 6.0 -1.0 38 36.7 Nominal Value	Unit Voit Voit dyne/cm m²/kg Unit	Test Method BS 4432 Internal Method Internal Method Internal Method Test Method ASTM D1894
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield Mechanical Coefficient of Friction 1 vs. Itself - Dynamic	Nominal Value 2.20 6.0 -1.0 38 36.7 Nominal Value 0.50	Unit % % dyne/cm m²/kg Unit	Test Method BS 4432 Internal Method Internal Method Internal Method Test Method ASTM D1894
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield Mechanical Coefficient of Friction 1 vs. Itself - Dynamic vs. Itself - Static	Nominal Value 2.20 6.0 -1.0 38 36.7 Nominal Value 0.50 0.50	Unit % % dyne/cm m²/kg Unit	Test Method BS 4432 Internal Method Internal Method Internal Method Test Method ASTM D1894
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield Mechanical Coefficient of Friction 1 vs. Itself - Dynamic vs. Itself - Static Films	Nominal Value 2.20 6.0 -1.0 38 36.7 Nominal Value 0.50 0.50 Nominal Value	Unit Voit Voit Voit Unit Unit	Test Method BS 4432 Internal Method Internal Method Internal Method Test Method ASTM D1894 Test Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield Mechanical Coefficient of Friction 1 vs. Itself - Dynamic vs. Itself - Static Films Film Thickness - Tested	Nominal Value 2.20 6.0 -1.0 38 36.7 Nominal Value 0.50 0.50 Nominal Value 3000	Unit % % dyne/cm m²/kg Unit Unit	Test Method BS 4432 Internal Method Internal Method Internal Method Test Method ASTM D1894 Test Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield Mechanical Coefficient of Friction 1 vs. Itself - Dynamic vs. Itself - Static Films Film Thickness - Tested Secant Modulus	Nominal Value 2.20 6.0 -1.0 38 36.7 Nominal Value 0.50 0.50 Nominal Value 3000	Unit % % % dyne/cm m²/kg Unit Unit Unit μm	Test Method BS 4432 Internal Method Internal Method Internal Method Test Method ASTM D1894 Test Method
Physical Density - Optical Shrinkage MD, 60secs : 129°C TD, 60secs : 129°C Corona Treatment Yield Mechanical Coefficient of Friction 1 vs. Itself - Dynamic vs. Itself - Static Films Film Thickness - Tested Secant Modulus 1% Secant, MD	Nominal Value 2.20 6.0 -1.0 38 36.7 Nominal Value 0.50 0.50 0.50 3000 2690	Unit % % % % Unit Unit Unit MPa	Test Method BS 4432 Internal Method Internal Method Internal Method Test Method ASTM D1894 Test Method

Tensile Strength ²			ASTM D882
MD : Yield	239	MPa	
TD : Yield	190	MPa	
Tensile Elongation ³			ASTM D882
MD : Break	90	%	
TD : Break	130	%	
Seal Strength ⁴	0.14	N/mm	Internal Method
Seal Initiation Temperature ⁵	116 to 146	°C	Internal Method
Oxygen Permeability (23°C, 0% RH)	3.5	cm ³ ·mm/m ² /atm/24 hr	ASTM F1927
Water Vapor Transmission Rate (38°C, 90%			
RH)	0.93	g/m²/24 hr	ASTM F1249
Optical	Nominal Value	Unit	
Optical Transmittance ⁶	Nominal Value < 1.0	Unit %	
Optical Transmittance ⁶ NOTE	Nominal Value < 1.0	Unit %	
Optical Transmittance ⁶ NOTE	Nominal Value < 1.0 Film to Film, Non-Metallized	Unit %	
Optical Transmittance ⁶ NOTE 1.	Nominal Value < 1.0 Film to Film, Non-Metallized Surface	Unit %	
Optical Transmittance ⁶ NOTE 1. 2.	Nominal Value < 1.0 Film to Film, Non-Metallized Surface 50%/min	Unit %	
Optical Transmittance ⁶ NOTE 1. 2. 3.	Nominal Value < 1.0 Film to Film, Non-Metallized Surface 50%/min 50%/min	Unit %	
Optical Transmittance ⁶ NOTE 1. 2. 3.	Nominal Value < 1.0 Film to Film, Non-Metallized Surface 50%/min 50%/min 225°F; 1sec; 15lb/in²;	Unit %	
Optical Transmittance ⁶ NOTE 1. 2. 3. 4.	Nominal Value < 1.0	Unit %	
Optical Transmittance ⁶ NOTE 1. 2. 3. 4.	Nominal Value < 1.0	Unit %	
Optical Transmittance ⁶ NOTE 1. 2. 3. 4. 5.	Nominal Value< 1.0	Unit %	

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