# Propafilm<sup>™</sup> RC140

### Polypropylene Alloy

Innovia Films Ltd.

#### Message:

Acrylic Coated Film

Biaxially oriented polypropylene (BOPP) film coated on both sides with an aqueous acrylic (chlorine free) dispersion. RC140/160 are suitable for VFF bag applications in the confectionery industry where good hot-tack properties are required.

Features Antiblocking   Flavor & Aroma Barrier   Food Contact Acceptable   Good Impact Resistance   Heat Sealable   Hot Tack Strength   Low Temperature Heat Sealability   Low Temperature Impact Resistance   Meisture Barrier   Opticals   Puncture Resistant   Uses Bags   Bi-axially Oriented Film   Food Service Applications   Laminates   Packaging   Forms Film   Postical   Moditing Strinkage   Flow: 129°C, 1 min 2.0   Row Ital Value Unit   Test Method   Koros Flow: 129°C, 1 min 1.0   1.0 %   Coefficient of Friction 2.2   vs. Itself - Doyamic 0.25   vs. Itself - Static 0.25   Films Nominal Value   Unit Test Method   Seal Initiation Temperature? 8.50 to 146   Seal Initiation Temperature? 8.50 to 146   Seal Initiation Temperature? 8.50 to 146	General Information				
Fod Conact Acceptable   Good Impact Resistance     Heat Sealable   Heat Sealable     Hot Tack Strength   Low Temperature Inpact Resistance     Dow Temperature Inpact Resistance   Misture Barnier     Opticals   Polycicals     Opticals   Polycicals     Protocol   Service Applications     Laminates   Polycials     Polycials   Polycials     Polycial   Polycials	Features	Antiblocking			
Good Impact Resistance   Heat Sealable     Heat Sealable   Hot Tack Strength     Low Temperature Heat Sealability   Low Temperature Heat Sealability     Low Temperature Heat Sealability   Low Temperature Heat Sealability     Opticals   Puncture Resistance     Proteure Resistant   Proteure Resistant     Uters   Bags     Bi-axially Oriented Film   Food Service Applications     Forms   Film     Prokaging   Internal Method     Moding Shrinkage   Internal Method     forw 120°C 1 min   20   %     Rive 220°C 1 min   20   %     Rowinal Value   Vint   Text Method     Motion Shrinkage   10   Normal Value   Internal Method     Rowinal Value   Vint   Text Method   10     Row		Flavor & Aroma Barrier			
Hat Sealable   Hot Tack Strength   Hot Tack Strength     Low Temperature Heat Sealability   Low Temperature Impact Resistance     Opticals   Puncture Resistant     Uses   Bags     Bis-xially Oriented Film   Food Service Applications     Forms   Film     Physical   Nomina Value     Molding Strinkage   Sagang     I flow: 12°C, 1 min   2.0     Rowing Strinkage   Salance     I flow: 12°C, 1 min   2.0     Nomina Value   Value     I flow: 12°C, 1 min   2.0     Rowing Strinkage   Salance     I flow: 12°C, 1 min   3.0     Nomina Value   Value     I flow: 12°C, 1 min   2.0     Rowing Strinkage   Salance     I flow: 12°C, 1 min   3.0     Nominal Value   Value     Rowing Strinkage   Salance     I flow: 12°C, 1 min   3.0     Namid Value   Value     Value   Salance     I flow: 12°C, 1 min   3.0     Salance   Salance     I flow: 12°C, 1 min   1.0		Food Contact Acceptable			
Hot Tack Strength Low Temperature Heat Sealability Low Temperature Impact Resistant Diciols Puncture ResistantHot Start Barsie Diciols Puncture ResistantUrsesBags Bi-axially Oriented Film Food Service Applications Laminates PackagingHot Second Service Applications Laminates PackagingFormsFilmTest MethodPhysiolNomol ValueMethodModiling ShrinkageFilmInternal MethodFlow: 12°C, 1minJ0NoTest MethodFlow: 12°C, 1minJ0%Internal MethodFlow: 12°C, 1minJ0NoTest MethodRespective ApplicationsJ0Second Service ApplicationsInternal MethodFlow: 12°C, 1minJ0NoTest MethodFlow: 12°C, 1minJ0NoTest MethodGefficient FirctionJ0NoTest MethodGefficient FirctionJ0NoTest MethodIsitelf - DynamicQ2Internal MethodSecond Second Seco		Good Impact Resistance			
I w Temperature Heat Sealability Low Temperature Impact ResistantOpticals Opticals Puncture ResistantUsesBags Bi-axially Oriented Film Food Service Applications Laminates PackagingFormsFilmPhysicaNom Version Service Applications Laminates PackagingFormsFilmPhysicaNom Version Service Applications Laminates PackagingFormsFilmFormsFilmPhysicaNom Version Service Applications Laminates PackagingFormsName Version Service Applications Laminates PackagingFormsName Version Service Applications Laminates PackagingFormsName Version Service Applications Laminates PackagingFormsNaminatulateFlow: 121°C, 1min2.0Row: 121°C, 1min1.0Row: 121°C, 12		Heat Sealable			
kov Temperature Impact Resistanc Moisture Barrier Opticals Puncture Resistant Bags B-axially Oriented Film Food Service Applications Laminates Packaging Forms film Forms film Forms film Forms 121°C 1 min 1000 (1000) Forms 121°C 1 min 2000) Forms 121°C 1 min 2000 Forms 121°C		Hot Tack Strength			
Moisture Barrier Opticals Puncture ResistantSease Puncture ResistantUsesBags Bi-axially Oriented Film Food Service Applications Laminates PackagingFormsFilmPhysicalNominal ValueMolding ShrinkageInitemFlow: 121°C, 1 min2.0Flow: 121°C, 1 min2.0Flow: 121°C, 1 min0.0Across Flow: 129°C, 1 min1.0Across Flow: 129°C, 1 min0.0ReshencialNominal ValueMolting Shrinkage1.0Cefficient of Friction0.0Karsos Flow: 129°C, 1 min0.0Across Flow: 129°C, 1 min0.00.1Teat MethodMolting ShrinkageNominal ValueCuefficient of Friction0.2vs. Itself - Dynamic0.2vs. Itself - Dynamic0.2vs. Itself - Static0.2Seal Strengh <sup>1</sup> 0.15AlandaMinantoonSeal Strengh <sup>1</sup> 0.15Seal Strengh <sup>1</sup> 0.50 to 146VanimaInternal Method					
Opticals Puncture ResistantUsesBags Bi-axially Oriented Film Food Service Applications Laminates Post Bi-axially Oriented FilmFormsFilmPhysicalNominal ValueMolding Shrinkage10Fow: 121°C, 1 min2.0Row: 121°C, 1 min2.0Row: 121°C, 1 min0.1Row: 121°C, 1 min0.0Row: 121°C, 1 min0.0Row: 121°C, 1 min0.0Stares Flow: 129°C, 1 min0.0Row: 121°C, 1 min0.0Stares Flow: 129°C, 1 min0.0S					
Puncture ResistantUsesAgsBi-axially Oriented Film Food Service Applications Laminates LaminatesFormsFilmPhysicalNominal ValueMoling ShrinkageVintore MolingFlow: 129°C, 1 min0.3Across Flow: 129°C, 1 min0.4MolencialVintore MolingRechanicalNominal ValueMolencialNominal ValueMolencialNominal ValueMolencialNominal ValueMolencialNominal ValueMolencialNominal ValueMolencialNominal ValueVistler F. Dynamic0.25vistler Static0.25TelmsNominal ValueMolinal ValueMinal ComponentioneVistler Static0.5Sel Strength <sup>1</sup> 0.15Sel Strength <sup>1</sup> 0.50Sel Storegth <sup>1</sup> 0.50<		Moisture Barrier			
Bass   Bi-axially Oriented Film   Food Service Applications     Ford Service Applications   Laminates     Packaging   Film     Physical   Nominal Value     Molding Shrinkage   Internal Method     Flow: 121°C, 1 min   2.0   %     Flow: 129°C, 1 min   7.0   %     Flow: 129°C, 1 min   1.0   %     Coefficient of Friction   Vinital Method     vs. 1tself - Opnamic   0.25   ASTM D1894     Vs. Itself - Static   0.25   Kenthod     Flims   Nominal Value   Unit   Test Method     Seal Strength <sup>1</sup> 0.15   N/min   Internal Method     Seal Strength <sup>1</sup> 0.15 Kotted   Y/min   Internal Method		Opticals			
Biakaily Oriented Film Food Service Applications Laminates PackagingFormsFilmPhysicalNominal ValueUnit onPower 121°C, 1 min2.0%Flow: 120°C, 1 min2.0%ResonanceMominal ValueMominal ValuePower 2007, 1 min0.0%Rows 120°C, 1 min0.0%MechanicalNominal ValueMominal ValueMominal ValueUnitTest MethodMominal ValueUnitTest MethodMominal ValueUnitTest MethodVastlef - Dynamic0.2Xv. Istelf - Dynamic0.2XFilmsNominal ValueUnitFilmsNominal ValueInternal MethodGast Strength <sup>1</sup> 0.15Mominal ValueSeal Strength <sup>1</sup> 0.16 (Strengton)Test MethodSeal Strength <sup>1</sup> 0.16 (Strengton)Test MethodSeal Strength <sup>1</sup> 0.16 (Strengton)Test Method		Puncture Resistant			
Biakaily Oriented Film Food Service Applications Laminates PackagingFormsFilmPhysicalNominal ValueUnit onPower 121°C, 1 min2.0%Flow: 120°C, 1 min2.0%ResonanceMominal ValueMominal ValuePower 2007, 1 min0.0%Rows 120°C, 1 min0.0%MechanicalNominal ValueMominal ValueMominal ValueUnitTest MethodMominal ValueUnitTest MethodMominal ValueUnitTest MethodVastlef - Dynamic0.2Xv. Istelf - Dynamic0.2XFilmsNominal ValueUnitFilmsNominal ValueInternal MethodGast Strength <sup>1</sup> 0.15Mominal ValueSeal Strength <sup>1</sup> 0.16 (Strengton)Test MethodSeal Strength <sup>1</sup> 0.16 (Strengton)Test MethodSeal Strength <sup>1</sup> 0.16 (Strengton)Test Method					
Food Service Applications Laminates PackagingFormsFilmPhysicalNominal ValueUnit orModing ShrinkageInternal MethodFlow: 121°C, 1 min2.0%Row: 129°C, 1 min7.0%Across Flow: 129°C, 1 min1.0%Modinal ValueUnit orTest MethodMonal ValueUnit orTest MethodMonal ValueUnit orTest MethodCoefficient of Friction%Test Methodvs. Itself - Dynamic0.25Test Methodvs. Itself - Static0.25Test MethodFilmsNominal ValueUnitTest MethodSeal Strength 10.15N/mnInternal MethodSeal Strength 28.0 to 146"Common Method	Uses	Bags			
Laminates PackagingFinPhysicalNominal ValueUnitTest MethodMolding ShrinkageInternal MethodInternal MethodFlow: 129°C, 1 min2.0%Internal MethodFlow: 129°C, 1 min7.0%Internal MethodAcross Flow: 129°C, 1 min1.0%Internal MethodMominal ValueUnitTest MethodCoefficient of FrictionVinitalTest Methodvs. Itself - Dynamic0.25Internal Methodvs. Itself - Static0.25Internal MethodFlinsNominal ValueUnitTest MethodSeal Strength 10.15N/mmInternal MethodSeal Initiation Temperature 28.50 to 146°CInternal Method		Bi-axially Oriented Film			
PackagingFormsFilmPhysicalNominal ValueUnitTest MethodMolding ShrinkageIInternal MethodFlow: 129°C, 1 min2.0%IFlow: 129°C, 1 min7.0%IAcross Flow: 129°C, 1 min1.0%IMechanicalNominal ValueUnitTest MethodOperationIState IMethodVisitelf - Dynamic0.25IMethodvs. Itself - Static0.25IMethodFlinsNominal ValueUnitTest MethodSeal Strength 10.15NimmInternal MethodSeal Ititiation Temperature 28.50 to 166°CItitiation		Food Service Applications			
FormsFilmPhysicalNominal ValueUnitTest MethodMolding ShrinkageInternal MethodInternal MethodFlow: 121°C, 1 min2.0%SFlow: 129°C, 1 min7.0%SAcross Flow: 129°C, 1 min1.0%SMechanicalNominal ValueUnitTest MethodCoefficient of Friction0.25SASTM D1894vs. Itself - Static0.25UnitTest MethodFlomsNominal ValueUnitTest MethodSeal Strength 10.15N/mmInternal MethodSeal Initiation Temperature 285.0 to 146°CInternal Method		Laminates			
PhysicalNominal ValueUnitTest MethodMolding ShrinkageInternal MethodFlow: 121°C, 1 min2.0%Flow: 129°C, 1 min7.0%Across Flow: 129°C, 1 min1.0%MechanicalNominal ValueUnitTest MethodCoefficient of Friction.SASTM D1894vs. Itself - Dynamic0.25FilmsNominal ValueUnitTest MethodSeal Strength <sup>1</sup> 0.15N/mmInternal MethodSeal Initiation Temperature <sup>2</sup> 85.0 to 146°CInternal Method		Packaging			
PhysicalNominal ValueUnitTest MethodMolding ShrinkageInternal MethodFlow: 121°C, 1 min2.0%Flow: 129°C, 1 min7.0%Across Flow: 129°C, 1 min1.0%MechanicalNominal ValueUnitTest MethodCoefficient of Friction.SASTM D1894vs. Itself - Dynamic0.25FilmsNominal ValueUnitTest MethodSeal Strength <sup>1</sup> 0.15N/mmInternal MethodSeal Initiation Temperature <sup>2</sup> 85.0 to 146°CInternal Method					
Molding ShrinkageInternal MethodFlow : 121°C, 1 min2.0%Flow : 129°C, 1 min7.0%Across Flow : 129°C, 1 min1.0%MechanicalNominal ValueUnitTest MethodCoefficient of Friction0.25vs. Itself - Dynamic0.25FilmsNominal ValueUnitTest MethodSeal Strength 10.15N/mmInternal MethodSeal Initiation Temperature 285.0 to 146°CInternal Method	Forms	Film			
Flow: 121°C, 1 min2.0%Flow: 129°C, 1 min7.0%Across Flow: 129°C, 1 min1.0%MechanicalNominal ValueUnitTest MethodCoefficient of Frictionvs. Itself - Dynamic0.25Strength - Dynamicvs. Itself - Static0.25UnitTest MethodFilmsNominal ValueUnitTest MethodSeal Strength 10.15N/mmInternal MethodSeal Initiation Temperature 285.0 to 146°CInternal Method	Physical	Nominal Value	Unit	Test Method	
Flow: 129°C, 1 min7.0%Across Flow: 129°C, 1 min1.0%MechanicalNominal ValueUnitTest MethodCoefficient of FrictionASTM D1894vs. Itself - Dynamic0.25vs. Itself - Static0.25FilmsNominal ValueUnitTest MethodSeal Strength 10.15N/mmInternal MethodSeal Initiation Temperature 285.0 to 146°CInternal Method	Molding Shrinkage			Internal Method	
Across Flow: 129°C, 1 min1.0%MechanicalNominal ValueUnitTest MethodCoefficient of Frictionvs. Itself - Dynamic0.25vs. Itself - Static0.25FilmsNominal ValueUnitTest MethodSeal Strength 10.15Seal Initiation Temperature 285.0 to 146°C.	Flow : 121°C, 1 min	2.0	%		
MechanicalNominal ValueUnitTest MethodCoefficient of FrictionASTM D1894vs. Itself - Dynamic0.25vs. Itself - Static0.25FilmsNominal ValueUnitSeal Strength 10.15Seal Initiation Temperature 285.0 to 146	Flow : 129°C, 1 min	7.0	%		
Coefficient of Friction   ASTM D1894     vs. Itself - Dynamic   0.25     vs. Itself - Static   0.25     Films   Nominal Value   Unit     Seal Strength <sup>1</sup> 0.15     Seal Initiation Temperature <sup>2</sup> 85.0 to 146   °C	Across Flow : 129°C, 1 min	1.0	%		
vs. Itself - Dynamic0.25vs. Itself - Static0.25FilmsNominal ValueUnitTest MethodSeal Strength 10.15N/mmInternal MethodSeal Initiation Temperature 285.0 to 146°CInternal Method	Mechanical	Nominal Value	Unit	Test Method	
vs. Itself - Static0.25FilmsNominal ValueUnitTest MethodSeal Strength 10.15N/mmInternal MethodSeal Initiation Temperature 285.0 to 146°CInternal Method	Coefficient of Friction			ASTM D1894	
FilmsNominal ValueUnitTest MethodSeal Strength 10.15N/mmInternal MethodSeal Initiation Temperature 285.0 to 146°CInternal Method	vs. Itself - Dynamic	0.25			
Seal Strength 1 0.15 N/mm Internal Method   Seal Initiation Temperature 2 85.0 to 146 °C Internal Method	vs. Itself - Static	0.25			
Seal Initiation Temperature <sup>2</sup> 85.0 to 146 °C Internal Method	Films	Nominal Value	Unit	Test Method	
	-	0.15	N/mm	Internal Method	
Oxygen Permeability (25°C, 0% RH)17cm³·mm/m²/atm/24 hrASTM F1927	Seal Initiation Temperature <sup>2</sup>	85.0 to 146	°C	Internal Method	
	Oxygen Permeability (25°C, 0% RH)	17	cm <sup>3</sup> ⋅mm/m <sup>2</sup> /atm/24 hr	ASTM F1927	

Water Vapor Transmission Rate (38°C, 90%			
RH)	4.5	g/m²/24 hr	ASTM F1770
Film Gauge	140		Internal Method
Yield	31.4	m²/kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	95		ASTM D2457
Haze <sup>3</sup>	1.5	%	ASTM D1003
NOTE			
1.	265°F; 2secs; 15psi		
2.	2secs; 15psi		
3.	Wide angle; 2.5°		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

## 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

