# POLYPRO® 6019

### Polypropylene Random Copolymer

YUHWA Korea Petrochemical Ind. Co., Ltd.

#### Message:

POLYPRO® 6019 is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in Asia Pacific for injection molding. Important attributes of POLYPRO® 6019 are:

**RoHS Compliant** 

Clarity

Copolymer

Impact Resistant

Typical applications include:

**Business/Office Goods** 

**Coating Applications** 

Containers

**Food Contact Applications** 

Features Good Impact Resistance High Clarity Random Copolymer  Uses Containers Protective Coverings Stationary Supplies  Agency Ratings FDA Food Contact, Unspecified Rating  ROHS Compliance RoHS Compliant  Forms Pellets  Processing Method Injection Molding  Physical Nominal Value Unit Test Method  Density 0.900 g/cm³ ASTM D1505  Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1238  Hardness Nominal Value Unit Test Method  Rockwell Hardness (R-Scale) 90 Jonin ASTM D785  Mechanical Nominal Value Unit Test Method  Tensile Strength (Yield) 31.4 MPa ASTM D638  Tensile Elongation (Break) > 500 % ASTM D638  Flexural Modulus 1180 MPa ASTM D790  Impact Nominal Value Unit Test Method  Notched Izod Impact 59 J/m ASTM D790  Impact Nominal Value Unit Test Method	General Information				
Uses  Containers Protective Coverings Stationary Supplies  Agency Ratings  FDA Food Contact, Unspecified Rativers  RoHS Compliance RoHS Compliant  Forms Pellets  Processing Method Injection Molding  Physical Nominal Value Unit Test Method Density 0,900 9/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16* kg) 19 900 9/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Test Method Test Method Test Method Test Method  Nominal Value Unit Test Method Test Method Test Method Test Method Test Method  Nominal Value Unit Test Method Test Method Test Method Tensile Strength (Yield) 31.4 MPa ASTM D785 Mechanical Tensile Elongation (Break) 500 % ASTM D638 Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method Notiched Izod Impact SP Mominal Value Unit Test Method	Features	Good Impact Resistance			
Uses Containers Protective Coverings Stationary Supplies  Agency Ratings FDA Food Contact, Unspecified Ratirs  RoHS Compliance RoHS Compliant  Forms Pellets  Processing Method Injection Molding  Physical Nominal Value Unit Test Method  Density 0,900 g/cm³ ASTM D1505  Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1238  Hardness Nominal Value Unit Test Method  Rockwell Hardness (R-Scale) 90 Unit Test Method  Rockwell Hardness (R-Scale) 114 ASTM D785  Mechanical Nominal Value Unit Test Method  Tensile Strength (Yield) 31.4 MPa ASTM D638  Tensile Elongation (Break) 500 % ASTM D638  Flexural Modulus 1180 MPa ASTM D790  Impact Nominal Value Unit Test Method  Nominal Value Unit Test Method  MPa ASTM D638  Flexural Modulus 1180 MPa ASTM D790  Impact Nominal Value Unit Test Method  Nominal Value Unit Test Method		High Clarity			
Agency Ratings RoHS Compliance RoHS RoHS (230°C/2.16' Rej g/10 min ASTM D1238' Rej		Random Copolymer			
Agency Ratings FDA Food Contact, Unspecified Rating RoHS Compliance RoHS Compliant Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 0,900 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 90 Unit Test Method Tensile Strength (Yield) 31.4 MPa ASTM D785 Mechanical Nominal Value Unit Test Method Tensile Elongation (Break) > 500 % ASTM D638 Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method Notched Izod Impact Service					
Agency Ratings FDA Food Contact, Unspecified Ratings RoHS Compliance RoHS Compliant  Forms Pellets  Processing Method Injection Molding  Physical Nominal Value Unit Test Method Density 0,900 g/cm³ ASTM D1505  Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1505  Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1508  Hardness Nominal Value Unit Test Method  Rockwell Hardness (R-Scale) 90 Jint Test Method  Tensile Strength (Yield) 31.4 MPa ASTM D638  Flexural Modulus 1180 MPa ASTM D638  Flexural Modulus 1180 MPa ASTM D790  Impact Nominal Value Unit Test Method  Notched Izod Impact 59 J/m ASTM D256  Thermal Nominal Value Unit Test Method	Uses				
Agency Ratings FDA Food Contact, Unspecified Rating RoHS Compliance RoHS Compliant Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 0,900 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 90 Lit Test Method Rockwell Hardness (R-Scale) 19 MPa ASTM D785 Mechanical Nominal Value Unit Test Method Tensile Strength (Yield) 31.4 MPa ASTM D638 Flexural Modulus 1180 MPa ASTM D638 Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method Notched Izod Impact 59 J/m ASTM D256 Thermal Nominal Value Unit Test Method		Protective Coverings			
RoHS Compliance Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 0.900 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Ockwell Hardness (R-Scale) 90 ASTM D785 Mechanical Nominal Value Unit Test Method Tensile Strength (Yield) 31.4 MPa ASTM D638 Tensile Elongation (Break) 500 % ASTM D638 Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method OASTM D790 Impact Nominal Value Unit Test Method ASTM D638 Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method Notched Izod Impact Nominal Value Unit Test Method		Stationary Supplies			
RoHS Compliance Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 0.900 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Ockwell Hardness (R-Scale) 90 ASTM D785 Mechanical Nominal Value Unit Test Method Tensile Strength (Yield) 31.4 MPa ASTM D638 Tensile Elongation (Break) 500 % ASTM D638 Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method OASTM D790 Impact Nominal Value Unit Test Method ASTM D638 Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method Notched Izod Impact Nominal Value Unit Test Method	Agency Ratings	FDA Food Contact, Unspecified Rating			
Processing Method Physical Nominal Value Unit Test Method Density 0.900 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 90 ASTM D785 Mechanical Nominal Value Unit Test Method Tensile Strength (Yield) 31.4 MPa ASTM D638 Tensile Elongation (Break) > 500 % ASTM D638 Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method ASTM D790 Impact Nominal Value Unit Test Method ASTM D790 Impact Nominal Value Unit Test Method Notched Izod Impact Nominal Value Unit Test Method		RoHS Compliant			
PhysicalNominal ValueUnitTest MethodDensity0.900g/cm³ASTM D1505Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)19g/10 minASTM D1238HardnessNominal ValueUnitTest MethodRockwell Hardness (R-Scale)90ASTM D785MechanicalNominal ValueUnitTest MethodTensile Strength (Yield)31.4MPaASTM D638Tensile Elongation (Break)> 500%ASTM D638Flexural Modulus1180MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact59J/mASTM D256ThermalNominal ValueUnitTest Method	Forms	Pellets			
Density 0.900 g/cm³ ASTM D1505  Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 19 g/10 min ASTM D1238  Hardness Nominal Value Unit Test Method  Rockwell Hardness (R-Scale) 90 ASTM D785  Mechanical Nominal Value Unit Test Method  Tensile Strength (Yield) 31.4 MPa ASTM D638  Tensile Elongation (Break) > 500 % ASTM D638  Flexural Modulus 1180 MPa ASTM D790  Impact Nominal Value Unit Test Method  Notched Izod Impact 59 J/m ASTM D256  Thermal Nominal Value Unit Test Method	Processing Method	Injection Molding			
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)19g/10 minASTM D1238HardnessNominal ValueUnitTest MethodRockwell Hardness (R-Scale)90ASTM D785MechanicalNominal ValueUnitTest MethodTensile Strength (Yield)31.4MPaASTM D638Tensile Elongation (Break)> 500%ASTM D638Flexural Modulus1180MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact59J/mASTM D256ThermalNominal ValueUnitTest Method	Physical	Nominal Value	Unit	Test Method	
kg)         19         g/10 min         ASTM D1238           Hardness         Nominal Value         Unit         Test Method           Rockwell Hardness (R-Scale)         90         ASTM D785           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength (Yield)         31.4         MPa         ASTM D638           Tensile Elongation (Break)         > 500         %         ASTM D638           Flexural Modulus         1180         MPa         ASTM D790           Impact         Nominal Value         Unit         Test Method           Notched Izod Impact         59         J/m         ASTM D256           Thermal         Nominal Value         Unit         Test Method	Density	0.900	g/cm³	ASTM D1505	
Hardness         Nominal Value         Unit         Test Method           Rockwell Hardness (R-Scale)         90         ASTM D785           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength (Yield)         31.4         MPa         ASTM D638           Tensile Elongation (Break)         > 500         %         ASTM D638           Flexural Modulus         1180         MPa         ASTM D790           Impact         Nominal Value         Unit         Test Method           Notched Izod Impact         59         J/m         ASTM D256           Thermal         Nominal Value         Unit         Test Method	Melt Mass-Flow Rate (MFR) (230°C/2.16				
Rockwell Hardness (R-Scale)90ASTM D785MechanicalNominal ValueUnitTest MethodTensile Strength (Yield)31.4MPaASTM D638Tensile Elongation (Break)> 500%ASTM D638Flexural Modulus1180MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact59J/mASTM D256ThermalNominal ValueUnitTest Method	kg)	19	g/10 min	ASTM D1238	
MechanicalNominal ValueUnitTest MethodTensile Strength (Yield)31.4MPaASTM D638Tensile Elongation (Break)> 500%ASTM D638Flexural Modulus1180MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact59J/mASTM D256ThermalNominal ValueUnitTest Method	Hardness	Nominal Value	Unit	Test Method	
Tensile Strength (Yield) 31.4 MPa ASTM D638  Tensile Elongation (Break) > 500 % ASTM D638  Flexural Modulus 1180 MPa ASTM D790  Impact Nominal Value Unit Test Method  Notched Izod Impact 59 J/m ASTM D256  Thermal Nominal Value Unit Test Method	Rockwell Hardness (R-Scale)	90		ASTM D785	
Tensile Elongation (Break)> 500%ASTM D638Flexural Modulus1180MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact59J/mASTM D256ThermalNominal ValueUnitTest Method	Mechanical	Nominal Value	Unit	Test Method	
Flexural Modulus 1180 MPa ASTM D790 Impact Nominal Value Unit Test Method Notched Izod Impact 59 J/m ASTM D256 Thermal Nominal Value Unit Test Method	Tensile Strength (Yield)	31.4	MPa	ASTM D638	
ImpactNominal ValueUnitTest MethodNotched Izod Impact59J/mASTM D256ThermalNominal ValueUnitTest Method	Tensile Elongation (Break)	> 500	%	ASTM D638	
Notched Izod Impact 59 J/m ASTM D256  Thermal Nominal Value Unit Test Method	Flexural Modulus	1180	MPa	ASTM D790	
Thermal Nominal Value Unit Test Method	Impact	Nominal Value	Unit	Test Method	
	Notched Izod Impact	59	J/m	ASTM D256	
	Thermal	Nominal Value	Unit	Test Method	
Peak Melting Temperature 147 °C ASTM D3418	Peak Melting Temperature	147	°C	ASTM D3418	

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

