POLYPRO® CB5108

Polypropylene Copolymer

YUHWA Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® CB5108 is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific for injection molding. Important attributes of POLYPRO® CB5108 are: Flame Rated RoHS Compliant Copolymer Heat Resistant High Gloss Typical applications include: Appliances Automotive Food Contact Applications Household Applications

And the constraint of the constr	General Information				
High Gloss High Hat Resistance High Stiffness ScratherHigh Stiffness ScratherUsesAppliances Automotive Applications Electrical Housing Household GoodsApery RatingsFDA Food Contact, Unspecified Ratif Household GoodsAgency RatingsFDA Food Contact, Unspecified Ratif Household GoodsAgency RatingsFDA Food Contact, Unspecified Ratif Household GoodsAgency RatingsFDA Food Contact, Unspecified Ratif Household GoodsProcessing MethodFDA Food Contact, Unspecified Ratif Household GoodsProcessing MethodFOA Food Contact, Unspecified Ratif Household GoodsProcessing MethodFOA Food Contact, Unspecified Ratif Household GoodsProcessing MethodFOA Food Contact, Unspecified Ratif Household GoodsProgessing MethodFOA Food Contact, Unspecified Ratif Household GoodsProgessing MethodFOA Food Contact, Unspecified Ratif Household GoodsProgessing MethodFood Contact, Unspecified Ratif Household GoodsPhysicalNominal ValueInternationInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternationMethodInternatifMethod <td< td=""><td>Features</td><td>Block Copolymer</td><td></td><td></td></td<>	Features	Block Copolymer			
High Heat Resistance High Stiffness Scretch ResistantHigh Stiffness Scretch ResistantUsesAppliances Automotive Applications Electrical Housing Household GoodsAgency RatingsFDA Food Contact, Unspecified RatizerRoHS ComplianceRoHS CompliantFormsPelletsProcessing MethodIndit of MoldingPhysicalNominal ValueDensity0.910Optimal ValuegrantMethod10MethodAstM D1505Method9.10Molding Shrinkage - Flow14 to 1.8Moninal ValueVintMoninal ValueNotantMolding Shrinkage - Flow10Moninal ValueNotantMolding Shrinkage - Flow10Moninal ValueNotantMoninal ValueNotant		Good Impact Resistance			
High Stiffness Scratch ResistantUsesAppliances Automotive Applications Electrical Housing Household GoodsAgency RatingsFDA Food Contact, Unspecified RatiusRoHS ComplianceRoHS CompliantRoHS ComplianceRoHS CompliantProcessing MethodNeite CompliantProcessing MethodInjection MoldingPhysicalNominal ValueDensity0.10Oniong/IominaMelt Mass-Flow Rate (MFR) (230°C/2-16) Kg)10Molding Shrinkage - Flow1.4 to 1.8Molding Shrinkage - Flow1.4 to 1.8Molding Shrinkage - Flow1.0Molding Shrinkage - Flow1.0 <td></td> <td>High Gloss</td> <td></td> <td></td>		High Gloss			
Scratch ResistantUsesAppliances Automotive Applications Electrical Housing Household GoodsAgeny RatingsFDA Food Contact, Unspecified Rative Household GoodsRoHS ComplianceRoHS CompliantFormsNeltsProcessing MethodNeiton InformationIngetion MoldingInformationPhysicalNominal ValueOnsity0.910Methods-Filow Rate (MFR) (230°C/21:6) Kg)10Molding Shrinkage - Flow1.4 to 1.8Moninal ValueVininMarcina String Rate (MFR) (230°C/21:6) Kg)1.0Molding Shrinkage - Flow1.4 to 1.8Molding Shrinkage - Flow1.4 to 1.8Molding Shrinkage - Flow1.0Kertender1.0Molding Shrinkage - Flow1.0Molding Shrinkage - Flow1.0 <tr< td=""><td></td><td>High Heat Resistance</td><td></td><td></td></tr<>		High Heat Resistance			
UsesAppliances Automotive Applications Electrical Housing Household GoodsSet Set Set Set Set Set Set Set Set Set		High Stiffness			
Automotive Applications Electrical Housing Household GoodsAgency RatingsFDA Food Contact, Unspecified RatireRoHS ComplianceRoHS CompliantFormsReletsProcessing MethodInection MoldingPhysicalNominal ValueUnitDensity0.910g/cm³Molding Shrinkage - Flow1.4 to 1.8Molding Shrinkage - Flow1.0You Minal ValueMolding Shrinkage - Flow1.0Test MethodRackwell Hardness (R-Scale)10UnitTest MethodRockwell HardnessNominal ValueUnitTest MethodRochanicalNominal ValueUnitTest Method		Scratch Resistant			
Automotive Applications Electrical Housing Household GoodsAgency RatingsFDA Food Contact, Unspecified RatireRoHS ComplianceRoHS CompliantFormsReletsProcessing MethodInection MoldingPhysicalNominal ValueUnitDensity0.910g/cm³Molding Shrinkage - Flow1.4 to 1.8Molding Shrinkage - Flow1.0You Minal ValueMolding Shrinkage - Flow1.0Test MethodRackwell Hardness (R-Scale)10UnitTest MethodRockwell HardnessNominal ValueUnitTest MethodRochanicalNominal ValueUnitTest Method					
Electrical Housing Household GoodsAgency RatingsFDA Food Contact, Unspecified Rati- FormsRoHS ComplianceRoHS CompliantFormsPelletsProcessing MethodInjection MoldingPhysicalNominal ValueDensity0.910Molding Shrinkage - Flow1.4 to 1.8Molding Shrinkage - Flow1.0Mominal ValueUnitModing Shrinkage - Flow1.0Mominal ValueMonital CalconModing Shrinkage - Flow1.0Monital ValueUnitMonital ValueMonital ValueMonital ValueUnitMonital ValueUnitMonital ValueValue <trt< td=""><td>Uses</td><td>Appliances</td><td></td><td></td></trt<>	Uses	Appliances			
Household GoodsAgency RatingsFDA Food Contact, Unspecified RatureRoHS ComplianceRoHS CompliantFormsReHS CompliantProcessing MethodInjection MoldingPhysicalNominal ValueUnitDensity0.910g/cm³Method SaFellow14 to 1.8%Moding Shrinkage - FlowInienal MateHardnessNominal ValueUnitMethodSaft MotagaModing Shrinkage - Flow10Test MethodRockwell Hardness (R-Scale)10UnitTest MethodMoninal ValueUnitTest MethodRockwell HardnessNominal ValueUnitTest MethodMotagaInformationASTM D785MethodInformationMethodRockwell Hardness (R-Scale)Nominal ValueUnitTest MethodMethodInformationTest MethodMethodInformationTest Method		Automotive Applications			
Agency Ratings FDA Food Contact, Unspecified Ratius RoHS Compliance RoHS Compliant Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Density 0.910 g/cm ³ Melt Mass-Flow Rate (MFR) (230°C/2.16' kg) 10 g/10 min Molding Shrinkage - Flow 1.4 to 1.8 % Model Shrinkage - Flow 1.0 Test Method Rockwell Hardness (R-Scale) 100 Unit Test Method Morinal Value Unit Test Method ASTM D1238 Rockwell Hardness (R-Scale) 100 Unit Test Method		Electrical Housing			
RoHS Compliance RoHS Compliant Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 0.910 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 10 g/10 min ASTM D1238 Molding Shrinkage - Flow 1.4 to 1.8 % Internal Method Rockwell Hardness (R-Scale) 100 Unit Test Method Rockwell Hardness (R-Scale) Nominal Value Unit Test Method		Household Goods			
RoHS Compliance RoHS Compliant Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Density 0.910 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 10 g/10 min ASTM D1238 Molding Shrinkage - Flow 1.4 to 1.8 % Internal Method Rockwell Hardness (R-Scale) 100 Unit Test Method Rockwell Hardness (R-Scale) Nominal Value Unit Test Method					
FormsPelletsProcessing MethodInjection MoldingPhysicalNominal ValueUnitDensity0.910g/cm³Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)10g/10 minMolding Shrinkage - Flow1.4 to 1.8%Mominal ValueUnitTest MethodRockwell Hardness (R-Scale)100UnitMechanicalNominal ValueUnitMominal ValueUnitTest Method	Agency Ratings	FDA Food Contact, Unspecified Rating			
Processing MethodInjection MoldingPhysicalNominal ValueUnitTest MethodDensity0.910g/cm³ASTM D1505Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)10g/10 minASTM D1238Molding Shrinkage - Flow1.4 to 1.8%10Internal MethodModing Shrinkage - Flow1.4 to 1.8%10Test MethodRockwell Hardness (R-Scale)100Test MethodASTM D785MechanicalNominal ValueUnitTest Method	RoHS Compliance	RoHS Compliant			
PhysicalNominal ValueUnitTest MethodDensity0.910g/cm³ASTM D1505Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)10g/10 minASTM D1238Molding Shrinkage - Flow1.4 to 1.8%Internal MethodHardnessNominal ValueUnitTest MethodRockwell Hardness (R-Scale)100Test MethodASTM D785MechanicalNominal ValueUnitTest Method	Forms	Pellets			
Density0.910g/cm³ASTM D1505Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)10g/10 minASTM D1238Molding Shrinkage - Flow1.4 to 1.8%Internal MethodHardnessNominal ValueUnitTest MethodRockwell Hardness (R-Scale)100Tot MethodASTM D785MechanicalNominal ValueUnitTest Method	Processing Method	Injection Molding			
Melt Mass-Flow Rate (MFR) (230°C/2.16 g/10 min ASTM D1238 kg) 10 g/10 min ASTM D1238 Molding Shrinkage - Flow 1.4 to 1.8 % Internal Method Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 100 STM D785 Mechanical Nominal Value Unit Test Method	Physical	Nominal Value	Unit	Test Method	
kg)10g/10 minASTM D1238Molding Shrinkage - Flow1.4 to 1.8%Internal MethodHardnessNominal ValueUnitTest MethodRockwell Hardness (R-Scale)100STM D785MechanicalNominal ValueUnitTest Method	Density	0.910	g/cm ³	ASTM D1505	
Molding Shrinkage - Flow 1.4 to 1.8 % Internal Method Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 100 ASTM D785 Mechanical Nominal Value Unit Test Method	Melt Mass-Flow Rate (MFR) (230°C/2.16				
Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 100 ASTM D785 Mechanical Nominal Value Unit Test Method	kg)	10	-	ASTM D1238	
Rockwell Hardness (R-Scale) 100 ASTM D785 Mechanical Nominal Value Unit Test Method	Molding Shrinkage - Flow	1.4 to 1.8	%	Internal Method	
Mechanical Nominal Value Unit Test Method	Hardness	Nominal Value	Unit	Test Method	
	Rockwell Hardness (R-Scale)	100		ASTM D785	
Tensile Strength (Yield) 31.4 MPa ASTM D638	Mechanical	Nominal Value	Unit	Test Method	
	Tensile Strength (Yield)	31.4	MPa	ASTM D638	

Tensile Elongation (Break)	> 200	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	34	J/m	
25°C	98	J/m	
Thermal	Nominal Value	Unit	Test Method
Thermal Deflection Temperature Under Load (1.8	Nominal Value	Unit	Test Method
	Nominal Value	Unit °C	Test Method ASTM D648
Deflection Temperature Under Load (1.8			
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	ASTM D648
Deflection Temperature Under Load (1.8 MPa, Unannealed) Vicat Softening Temperature	135 153	°C °C	ASTM D648 ASTM D1525

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

