COSMOTHENED F108-5

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOTHENE F108-5 is specially design for excellent shrinkage, toughness and strength. F108-5 is not formulated with slip and antiblocking agent. Shrink film food packaging, heavy duty bag & etc.

Specific Gravity0.921g/cm³ASTMMelt Mass-Flow Rate (MFR)0.40g/10 minASTMMechanicalNominal ValueUnitTestTensile Strength (Break)19.6MPaASTMTensile Elongation (Break)700%ASTMApparent Bending Modulus210MPaASTMFilmsNominal ValueUnitTestFilms Thickness - Tested30µmTestMelting Temperature109°CInter	
UsesFilms Shrinkable film Heavy packing bagAgency RatingsFDA 21 CFR 177.1520(c) 2.1FormsParticleProcessing MethodExtrusionPhysicalNominal ValueUnitMeth Mass-Flow Rate (MFR)0.921g/cm³Meth Mass-Flow Rate (MFR)0.40g/10 minMethanicalNominal ValueUnitTensile Strength (Break)19.6MPaApparent Bending Modulus210MPaFilmsNominal ValueUnitFilms30µmThermalNominal ValueUnitTensile Strength (Break)10KatonApparent Bending Modulus210MPaFilmsNominal ValueUnitFilmsNominal ValueUnitFilms10YeanFilmsNominal ValueUnitFilms10YeanFilmsNominal ValueUnitFilmsNominal ValueUnitFilms10°YeanFilmsNominal ValueUnitFilmsNominal Val	
Shrinkable film Heavy packing bag Agency Ratings FDA 21 CFR 177.1520(c) 2.1 Forms Particle Processing Method Extrusion Physical Nominal Value Unit Test Specific Gravity 0.921 g/cm³ ASTM Meth Mass-Flow Rate (MFR) 0.40 g/lomin ASTM Mechanical Nominal Value Unit Test Tensile Strength (Break) 19.6 MPa ASTM Aparent Bending Modulus 210 MPa ASTM Films Nominal Value Unit Test Films 30 unit Test Film Thickness - Tested 30 unit Test Thermal Nominal Value Unit Test Film Thickness - Tested 30 unit Test Film Thickness - Tested 109 °C Test	
Shrinkable film Heavy packing bag Agency Ratings FDA 21 CFR 177.1520(c) 2.1 Forms Particle Processing Method Extrusion Physical Nominal Value Unit Test Specific Gravity 0.921 g/cm³ ASTM Meth Mass-Flow Rate (MFR) 0.40 g/lomin ASTM Mechanical Nominal Value Unit Test Tensile Strength (Break) 19.6 MPa ASTM Aparent Bending Modulus 210 MPa ASTM Films Nominal Value Unit Test Films 30 unit Test Film Thickness - Tested 30 unit Test Thermal Nominal Value Unit Test Film Thickness - Tested 30 unit Test Film Thickness - Tested 109 °C Test	
Heavy packing bagAgency RatingsFDA 21 CFR 177.1520(c) 2.1FormsParticleProcessing MethodExtrusionPhysicalNominal ValueUnitTestSpecific Gravity0.9210.40g/cm³Meth Mass-Flow Rate (MFR)0.40Mominal ValueUnitTensile Strength (Break)19.6Tensile Elongation (Break)700Apparent Bending Modulus210FilmsNominal ValueFilms30FilmsJointTenzile Ilongature109ChentanceColorMethanicalNominal ValueIntic TestFilms109ChentanceColorMethanice109ChentanceColorMethaniceColorMethanice109ChentanceColorMethaniceColor	
Agency RatingsFDA 21 CFR 177.1520(c) 2.1FormsParticleProcessing MethodExtrusionPhysicalNominal ValueUnitSpecific Gravity0.921g/cm³Melt Mass-Flow Rate (MFR)0.40g/10 minMechanicalNominal ValueUnitTensile Strength (Break)19.6MPaApparent Bending Modulus210MPaFilmsNominal ValueUnitFilms30μmThermalNominal ValueUnitThermalNominal ValueUnitFilm Thickness - Tested30cNominal ValueUnitTestMelting Temperature109°C	
FormsParticleProcessing MethodExtrusionPhysicalNominal ValueUnitSpecific Gravity0.921g/cm³Melt Mass-Flow Rate (MFR)0.40g/10 minMechanicalNominal ValueUnitTensile Strength (Break)19.6MPaApparent Bending Modulus210%FilmsNominal ValueUnitFilmsNominal ValueUnitFilms 1 (Strength (Strength))30µmThermalNominal ValueUnitFilms 1 (Strength)30µmThermalNominal ValueUnitThermalNominal ValueYetMeting Tenperature109°C	
FormsParticleProcessing MethodExtrusionPhysicalNominal ValueUnitSpecific Gravity0.921g/cm³Melt Mass-Flow Rate (MFR)0.40g/10 minMechanicalNominal ValueUnitTensile Strength (Break)19.6MPaApparent Bending Modulus210%FilmsNominal ValueUnitFilmsNominal ValueUnitFilms 1 (Strength (Strength))30µmThermalNominal ValueUnitFilms 1 (Strength)30µmThermalNominal ValueUnitThermalNominal ValueYetMeting Tenperature109°C	
Processing MethodExtrusionPhysicalNominal ValueUnitTestSpecific Gravity0.921g/cm³ASTMelt Mass-Flow Rate (MFR)0.40g/10 minASTMechanicalNominal ValueUnitTestTensile Strength (Break)19.6MPaASTApparent Bending Modulus210MPaASTFilmsNominal ValueUnitTestFilms30µmTestThermalNominal ValueUnitTestMeting Temperature109°CInteg	
PhysicalNominal ValueUnitTestSpecific Gravity0.921g/cm³ASTNMelt Mass-Flow Rate (MFR)0.40g/10 minASTNMechanicalNominal ValueUnitTestTensile Strength (Break)19.6MPaASTNTensile Elongation (Break)700%ASTNApparent Bending Modulus210MPaASTNFilmsNominal ValueUnitTestFilmsNominal ValueUnitTestFilm Thickness - Tested30μmTestMelting Temperature109°CInter	
Specific Gravity0.921g/cm³ASTMMelt Mass-Flow Rate (MFR)0.40g/10 minASTMMechanicalNominal ValueUnitTestTensile Strength (Break)19.6MPaASTMTensile Elongation (Break)700%ASTMApparent Bending Modulus210MPaASTMFilmsNominal ValueUnitTestFilm Thickness - Tested30µmTestMelting Temperature109°CInter	Method
Melt Mass-Flow Rate (MFR)0.40g/10 minASTMechanicalNominal ValueUnitTestTensile Strength (Break)19.6MPaASTTensile Elongation (Break)700%ASTApparent Bending Modulus210MPaASTFilmsNominal ValueUnitTestFilms Thickness - Tested30µmTestMelting Temperature109°CInter	M D792
MechanicalNominal ValueUnitTestTensile Strength (Break)19.6MPaASTTensile Elongation (Break)700%ASTApparent Bending Modulus210MPaASTFilmsNominal ValueUnitTestFilm Thickness - Tested30µmTestMelting Temperature109°CInter	M D1238
Tensile Strength (Break)19.6MPaASTMTensile Elongation (Break)700%ASTMApparent Bending Modulus210MPaASTMFilmsNominal ValueUnitTestFilm Thickness - Tested30μmTestMelting Temperature109°CInter	Method
Tensile Elongation (Break)700%ASTMApparent Bending Modulus210MPaASTMFilmsNominal ValueUnitTestFilm Thickness - Tested30µmTestThermalNominal ValueUnitTestMelting Temperature109°CInter	
Apparent Bending Modulus210MPaASTMFilmsNominal ValueUnitTestFilm Thickness - Tested30µmThermalThermalNominal ValueUnitTestMelting Temperature109°CInter	
FilmsNominal ValueUnitTestFilm Thickness - Tested30µmThermalNominal ValueUnitTestMelting Temperature109°CInter	
Film Thickness - Tested 30 µm Thermal Nominal Value Unit Test Melting Temperature 109 °C Intervice	
Thermal Nominal Value Unit Test Melting Temperature 109 °C Interview	Method
Melting Temperature 109 °C Inter	
	Method
	nal method
	Method
Gloss (30.0 μm) 100 AST	M D2457
Haze (30.0 μm) 7.0 % AST	M D1003
Additional Information Nominal Value Unit Test	Method
Blocking (30.0 μm) 20.0 g/100 cm² ASTM	M D3354
Slip (30.0 μm) 0.900 Tan θ Inter	nal method
Extrusion Nominal Value Unit	
Cylinder Zone 1 Temp. 155 °C	
Cylinder Zone 2 Temp. 160 °C	
Cylinder Zone 3 Temp. 175 °C	
Melt Temperature 190 °C	

Extruder: 50 mm diameter; L/D: 26; C.R: 3.4H Temperature: 200°C

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

