MAXAMID™ EPDM66G33-BK09

Polyamide 66

Pier One Polymers, Inc.

Message:

MAXAMIDTM EPDM66G33 is available in natural and custom colors, internal and external lubricants, UV stabilized and other modifications. Manufactured with recycled content. Further information and details are available upon request.

Filler / Reinforcement Glass Fiber.33% Filler by Weight Additive Rubber Impact Modifier Recycled Content Yes Features Impact Modified Appearance Black Black Colors Available Natural Color Natural Color Forms Pellets Froressing Method Injection Molding Physical Nominal Value Unit Specific Gravity 134 g/cm ² Affield Status Sinth D638 Fersel Longation (Break, 23°C) 5.0 % Fisel Elongation (Break, 23°C) 5.0 % Fisel Strength (23°C) 190 MPa ASTM D638 Fisel Strength (23°C) 190 MPa ASTM D638 Fisel Strength (23°C) 190 MPa ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact (23°C) 190 MPa ASTM D638 Nether Strength (23°C) 190 Jma ASTM D638 Pelletion Temperature Under Load (18) Yma ASTM D648 Nehnal Value Unit Test Method Notched Izod Impact (23°C) 190 Jma ASTM D648 Peletion Temperature Under Load (18)	General Information			
Reycyled ContentYesFeaturesImpact ModifiedAppearanceBlackColors AvailableColors AvailableNatural ColorNatural ColorFormsPelletsProcessing MethodInjection MoldingPhysicalNominal ValueUnitSpecific Gravity1.34g/cm³MechanicalNominal ValueUnitTestile Strength (23°C)1.41MPaAnsthe Diagottion (Break, 23°C)5.9MPaFlexural Modulus (23°C)5.9MPaInstel Strength (23°C)1.9MPaInstel Strength (23°C)1.9MPaReynald MoltureUnitTest MethodFlexural Modulus (23°C)5.9MPaRother Izottom1.9MraMother Izottom1.9MraPietural Strength (23°C)1.9MPaRother Izottom5.9MPaRother Izottom1.9MraMother Izottom1.9MraMapunanealed)2.6"CPieturion Temperature Under Load (1.8 MPa, Unannealed)2.5Mapunanealed)2.5"CPieturion Temperature2.5Mothor Izottom3.5Mapunanealed)Mominal ValueMapunanealed)A.5Pieturion Temperature2.5Mapunanealed)A.5Mapunanealed)A.5Mapunanealed)A.5MapunanealedNominal ValueMapunanealedA.5MapunanealedA.5<	Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Features Impact Modified Appearance Black Colors Available Colors Available Natural Color Natural Color Forms Pelets Processing Method Injection Modifig Physical Nominal Value Init Specific Gravity I.34 g/cm ² Mechanical Nominal Value Init Mechanical Nominal Value Math Tensile Strength (23°C) I.34 Math Filestength (23°C) I.90 MPa ASTM D638 Filestength (23°C) I.90 MPa ASTM D634 Filestength (23°C) I.90 MPa ASTM D638 Filestength (23°C) I.90 MPa ASTM D634 Filestength (23°C) I.90 MPa ASTM D634 Filestength (23°C) I.90	Additive	Rubber Impact Modifier		
AppearanceBlack Colors Available Colors Available Natural ColorFormsPelletsProcessing MethodInjection MoldingPhysicalNominal ValueUnitSpecific Gravity1.34g/cm³MechanicalNominal ValueUnitTensile Strength (23°C)141MPaTensile Strength (23°C)5.0%1Fieldend Modulus (23°C)5.0MPaFieldend Modulus (23°C)5.0MPaImpactNominal ValueUnitTensile Strength (23°C)0.0MPaIndextored Modulus (23°C)190MPaIndextored Modulus (23°C)190UnitImpactNominal ValueUnitNorthed Izod Impact (23°C)190UnitNorthed Izod Impact (23°C)190UnitPellection Temperature Under Load (18 MPa, Unanneeled)26°CPellection Temperature Under Load (18 MPa, Unanneeled)25°CPellection Temperature Under Load (18 MPa, Unanneeled)25°CPellection Temperature Under Load (18 MPa, Unanneeled)Simo Data (31)Processing (Meth Temperature<200	Recycled Content	Yes		
Colors Available Natural ColorsFormsPelletsProcessing MethodInjection MoldingPhysicalNominal ValueUnitSpecific Gravity1.34Gym ² MechanicalNominal ValueUnitTensile Strength (23°C)141MPaTensile Strength (23°C)5.0%1Fekural Modulus (23°C)5.0MPaFekural Modulus (23°C)5.0MPaImpact100MPaIndextoregation (23°C)100MPaNominal ValueUnitTest MethodIndextoregation (23°C)100MraNominal ValueUnitTest MethodNominal ValueUnitStM D256TermalNominal ValueUnitNominal ValueUnitStM D268Pelletion Temperature Under Load (18) MPA, Unanneeled)25°CProcesing (Meth TermatStO 20%2Stopgested Max Moisture<00 005	Features	Impact Modified		
Natral ColorFormsPelesProcessing Methodington MoltingPhysicalNominal ValueUnitSpecific Gravity1.34GravitaMechanicalNominal ValueUnitMechanicalNominal ValueUnitTensile Strength (23°C)1.41MPaTensile Strength (23°C)5.0MPaFleural Modulus (23°C)5.0MPaFleural Modulus (23°C)5.0MPaIngateNominal ValueMPaNethod Tensile Strength (23°C)10MPaMatch 201Moninal ValueMinal ValueIngateNominal ValueInitNothed Izad Impact (23°C)10Minal ValueNothed Izad Impact (23°C)10Minal ValueMethod Impact (23°C)	Appearance	Black		
FormsPelletsProcessing Methodinjection MoldingPhysicalNominal ValueUnitSpecific Gravity1.34g/cm³MechanicalNominal ValueUnitTest MethodTest MethodTensile Strength (23°C)141MPaSpecific Offerak, 23°C)5.0%Flexural Modulus (23°C)7590MPaInpactNominal ValueUnitInpact200MPaInpactNominal ValueUnitInpactNominal ValueUnitInpactNominal ValueUnitInpactNominal ValueUnitNotched Izod Impact (23°C)190J/mNotched Izod Impact (23°C)190J/mNotched Izod Impact (23°C)190J/mPetersine Temperature Under Load (18 PRa, Unannealed)246Petersine Temperature Under Load (18 Petersine Temperature Under Load (18 Petersi		Colors Available		
Processing MethodInjection MoldingPhysicalNominal ValueUnitTest MethodSpecific Gravity1.34g/cm³ASTM D792MechanicalNominal ValueUnitTest MethodTensile Strength (23°C)141MPaASTM D638Tensile Elongation (Break, 23°C)5.0MPaASTM D638Flexural Modulus (23°C)5.0MPaASTM D790Flexural Strength (23°C)200MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodPefelction Temperature Under Load (18) MPa, Unannealed)265°CASTM D648Peak Melting Temperature255°CASTM D318InjectionNominal ValueUnitTest MethodSuggested Max Moisture< 0.20		Natural Color		
Processing MethodInjection MoldingPhysicalNominal ValueUnitTest MethodSpecific Gravity1.34g/cm³ASTM D792MechanicalNominal ValueUnitTest MethodTensile Strength (23°C)141MPaASTM D638Tensile Elongation (Break, 23°C)5.0MPaASTM D638Flexural Modulus (23°C)5.0MPaASTM D790Flexural Strength (23°C)200MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodPefelction Temperature Under Load (18) MPa, Unannealed)265°CASTM D648Peak Melting Temperature255°CASTM D318InjectionNominal ValueUnitTest MethodSuggested Max Moisture< 0.20				
PhysicalNominal ValueUnitTest MethodSpecific Gravity1.34g/cm³ASTM D792MechanicalNominal ValueUnitTest MethodTensile Strength (23°C)141MPaASTM D638Tensile Elongation (Break, 23°C)5.0% PaASTM D638Flexural Modulus (23°C)7990MPaASTM D790ImpactNominal ValueUnitTest MethodNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D790Notched Izod Impact (23°C)190J/mASTM D790Notched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPA, Unannealed)265°CASTM D648Peak Melting Temperature255°CASTM D5418InjectionNominal ValueUnitTest MethodSuggested Max Moisture< 0.20	Forms	Pellets		
Specific Gravity1.34g/cm³ASTM D792MechanicalNominal ValueUnitTest MethodTensile Strength (23°C)141MPaASTM D638Tensile Elongation (Break, 23°C)5.0%ASTM D638Flexural Modulus (23°C)7590MPaASTM D790Flexural Strength (23°C)200MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting TemperatureS5°CASTM D318InjectionNominal ValueUnitSTM D318InjectionNominal ValueUnitSTM D318InjectionS020%STM D318InjectionS030%STM D318InjectionS030%STM D318InjectionS030%STM D318 <td>Processing Method</td> <td>Injection Molding</td> <td></td> <td></td>	Processing Method	Injection Molding		
MechanicalNominal ValueUnitTest MethodTensile Strength (23°C)141MPaASTM D638Tensile Elongation (Break, 23°C)5.0%ASTM D638Flexural Modulus (23°C)7590MPaASTM D790Impact200MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D3418InjectionNominal ValueUnitTest MethodSuggested Max Moisture<020	Physical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)141MPaASTM D638Tensile Elongation (Break, 23°C)5.0%ASTM D638Flexural Modulus (23°C)7590MPaASTM D790Flexural Strength (23°C)200MPaTest MethodImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodPeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D3418InjectionNominal ValueUnitSTM D3418Suggested Max Moisture< 0.20	Specific Gravity	1.34	g/cm³	ASTM D792
Tensile Elongation (Break, 23°C)5.0%ASTM D638Flexural Modulus (23°C)7590MPaASTM D790Flexural Strength (23°C)200MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D3418InjectionNominal ValueUnitTest MethodInjectionSo°CSTM D3418Suggested Max Moisture<0.20	Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C)7590MPaASTM D790Flexural Strength (23°C)200MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D648InjectionNominal ValueUnitTest MethodSuggested Max Moisture<0.20	Tensile Strength (23°C)	141	MPa	ASTM D638
Flexural Strength (23°C)200MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D648InjectionNominal ValueUnitLetter 100Suggested Max Moisture< 0.20	Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
ImpactNominal ValueUnitTest MethodNotched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D648InjectionNominal ValueUnitTest MethodSuggested Max Moisture< 0.20	Flexural Modulus (23°C)	7590	MPa	ASTM D790
Notched Izod Impact (23°C)190J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D3418InjectionNominal ValueUnitImpact (200)Suggested Max Moisture< 0.20	Flexural Strength (23°C)	200	MPa	ASTM D790
ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D3418InjectionNominal ValueUnitCSuggested Max Moisture< 0.20	Impact	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D3418InjectionNominal ValueUnitCSuggested Max Moisture< 0.20	Notched Izod Impact (23°C)	190	J/m	ASTM D256
MPa, Unannealed)246°CASTM D648Peak Melting Temperature255°CASTM D3418InjectionNominal ValueUnitCSuggested Max Moisture< 0.20	Thermal	Nominal Value	Unit	Test Method
Injection Nominal Value Unit Suggested Max Moisture < 0.20		246	°C	ASTM D648
Suggested Max Moisture < 0.20	Peak Melting Temperature	255	°C	ASTM D3418
Processing (Melt) Temp 290 to 305 °C	Injection	Nominal Value	Unit	
	Suggested Max Moisture	< 0.20	%	
Mold Temperature 65.0 to 120 °C	Processing (Melt) Temp	290 to 305	°C	
	Mold Temperature	65.0 to 120	°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

