MAJORIS FN055 - 8487

Polypropylene

AD majoris

Message:

MAJORIS FN055 - 8487 is a high performance polypropylene for injection moulding. MAJORIS FN055 - 8487 an unique balance of properties for high speed injection moulding allowing fast cycle due to high de-moulding temperature as well as reduced cooling time. The product is available in black (MAJORIS FN055 - 8229) but other colours can be provided on request. APPLICATIONS Automotive parts Packaging Houseware

Fast Molding Cycle Recyclable Material Uses Automotive Applications Household Goods Packaging Appearance Black Colors Available Forms Black Processing Method Injection Molding Physical Norninal Value Unit Possport global Stor 113 Molding Strinkage 1.0 to 2.0 g/10 min Stor 113 Molding Strinkage 1.0 to 2.0 g/10 min Stor 113 Molding Strinkage 1.0 to 2.0 % Ison 113 Molding Strinkage 1.0 to 2.0 % Ison 123 Molding Strinkage 1.0 to 2.0 % Ison 123 Molding Strinkage 1.0 to 2.0 Stor 123 Stor 123 Molding Strinkage 1.0 to 2.0 % Ison 124 Ison 124 Molding Strinkage 1.0 to 2.0 % Ison 124 Ison 124 Molding Strinkage 1.0 to 2.0 % Ison 124 Ison 124 Molding Strinkage 1.0 to 2.0 Stor 2.7.1 Ison 124 Ison 124 Ison 124 Molding Strinkage 1.0 to 2.0 Mare	General Information			
Automotive Applications Household Goods PackagingAppearanceBlack Colors AvailableFormsPellesProcessing MethodNominal ValuePhysicalNominal ValuePhysicalJolor 2007 (2016)PollsSolors 2007 (2016)PhysicalNominal ValuePollsSolors 2007 (2016)PollsSolors 2007 (2016)PhysicalJolor 2007 (2016)PollsSolors 2007 (2016)<	Features	Fast Molding Cycle		
Household Goods pckgingAppearanceBak Cors AvailableFormsBeltsProcessing MethodInjection MoldingPhysicalNominal ValueUnitPhysical0.902grom of Carl SchlageDensity0.920grom of Carl SchlageMilding Shrinkage1.0 to 2.0%Madrands1.0 to 2.0%Madrands1.0 to 2.0%Rockwell Hardness1.2SchlageMorinal ValueUnitTest MethodRockwell Hardness1.2SchlageMechanicalNominal ValueUnitTest MethodRockwell Hardness2.00MaraSol 2.7-2.70Tensile Strain (Yield)6.0%Sol 2.7-2.70IngateMoninal ValueUnitSch 2.7-2.70Ingate Carl (Yield)6.0%Sol 2.7-		Recyclable Material		
Household Goods pckgingAppearanceBak Cors AvailableFormsBeltsProcessing MethodInjection MoldingPhysicalNominal ValueUnitPhysical0.902grom of Carl SchlageDensity0.920grom of Carl SchlageMilding Shrinkage1.0 to 2.0%Madrands1.0 to 2.0%Madrands1.0 to 2.0%Rockwell Hardness1.2SchlageMorinal ValueUnitTest MethodRockwell Hardness1.2SchlageMechanicalNominal ValueUnitTest MethodRockwell Hardness2.00MaraSol 2.7-2.70Tensile Strain (Yield)6.0%Sol 2.7-2.70IngateMoninal ValueUnitSch 2.7-2.70Ingate Carl (Yield)6.0%Sol 2.7-				
PackaingAppearanceBlack Clore SvailableFornsPelesProcessing MethodInjecton MethodPhysicalNoil OPhysicalOMonitoryInfecton MethodPhysicalONoil OSol OPhysicalJon OMonitoryJon OMonitoryJon OMonitoryJon OMonitoryJon OMonitoryJon OMonitoryJon OMonitoryJon OMonitoryJon OMonitoryMonitoryMonitoryMonitoryMonitoryJon OMonitory <t< td=""><td>Uses</td><td>Automotive Applications</td><td></td><td></td></t<>	Uses	Automotive Applications		
AppearanceBack Coirs AvailableFormsPellesProcessing MethodIngeton ModingPhysicalNomina ValueMutPhysicalSolor JacobandPostessing Method1020gord" and 180Physical0.920gord" and 180Postessing Method10.0 20gord" and 180Moding Shrinkage10.0 2.0%Moding Shrinkage10.0 2.0%Methanser Flow Rete (MFR) (230°C/216)10.0 2.0%Moding Shrinkage10.0 2.0%Moding Shrinkage10.0 2.0%Moding Shrinkage10.0 2.0MinModing Shrinkage10.0 2.0MinMotanda MethodMinMotandomRetered Flow Science2.0MainMotanda MethodMainSci 27.2/SMotanda MethodMainSci 27.2/STensile Strain (Yield)0.0MainMotanda MethodMinSci 27.2/SIngateSci 20.0MinMotanda MethodMinSci 27.2/SMathodSci 20.0MinMotanda MethodMinSci 27.2/SMotanda MethodMinSci 27.2/SMotanda MethodMinSci 27.2/SMotanda MethodMinSci 27.2/SMotanda MethodMinMinMotanda MethodMinMinMotanda MethodMinMinMotanda MethodMinMinMotanda MethodMinMinMotanda MethodMin<		Household Goods		
FormsPeletsProcessing MethodInjection MoldingPhysicalNominal ValueUnitDensity0.920g/cm³Meth Mass-Flow Rate (MFR) (230°C/2.16 kg)J0g/lominMolding Shrinkage1.0 to 2.0%HardnessNominal ValueUnitModing Shrinkage1.0 to 2.0%Hardness10S0 203-2Rockwell Hardness12ISO 203-2Molding Shrinkage1.2ISO 203-2MechanicalNominal ValueUnitTest MethodTensile Strais (Yield)4.0.0MPaISO 527-2/50Tensile Strais (Yield)6.0%ISO 527-2/50IngactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5K/m²ISO 179/1eATensile Strain (Yield)2.5K/m²ISO 179/1eACharpy Notched Impact Strength (23°C)2.5K/m²ISO 179/1eAHardnessInitTest MethodIso 179/1eAHardnessInitenceIso 179/1eAHardnessInitenceIso 179/1eAHardnessInitenceIso 179/1eAHardnessInitenceIso 175/2/BHardnessInitenceIso 175/2/BHardnessInitenceIso 175/2/BHardnessInitenceIso 175/2/BIntenceIso 175/2/BIso 175/2/BIntenceIso 175/2/BIso 175/2/BIntenceIso 175/2/BIso 175/2/BIntenceIso 175/		Packaging		
FormsPeletsProcessing MethodInjection MoldingPhysicalNominal ValueUnitDensity0.920g/cm³Meth Mass-Flow Rate (MFR) (230°C/2.16 kg)J0g/lominMolding Shrinkage1.0 to 2.0%HardnessNominal ValueUnitModing Shrinkage1.0 to 2.0%Hardness10S0 203-2Rockwell Hardness12ISO 203-2Molding Shrinkage1.2ISO 203-2MechanicalNominal ValueUnitTest MethodTensile Strais (Yield)4.0.0MPaISO 527-2/50Tensile Strais (Yield)6.0%ISO 527-2/50IngactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5K/m²ISO 179/1eATensile Strain (Yield)2.5K/m²ISO 179/1eACharpy Notched Impact Strength (23°C)2.5K/m²ISO 179/1eAHardnessInitTest MethodIso 179/1eAHardnessInitenceIso 179/1eAHardnessInitenceIso 179/1eAHardnessInitenceIso 179/1eAHardnessInitenceIso 175/2/BHardnessInitenceIso 175/2/BHardnessInitenceIso 175/2/BHardnessInitenceIso 175/2/BIntenceIso 175/2/BIso 175/2/BIntenceIso 175/2/BIso 175/2/BIntenceIso 175/2/BIso 175/2/BIntenceIso 175/				
FormsPelletsProcessing Methodinjection MoldingPhysicalNominal ValueUnitTest MethodDensity0.902gcm³So 1183Meth Mass-Flow Rate (MFR) (230°C/2.16 kg)Jo 2.0%Molding Shrinkage10 to 2.0%HardnessNominal ValueUnitTest MethodRockwell Hardness12So 2039-2MechanicalNominal ValueUnitTest MethodRockwell Hardness12So 2039-2MeshanicalSo 000MPaSo 527-2/10Tensile Stress (Yield)6.0MPaSo 527-2/50IngactNominal ValueUnitTest MethodTensile Stress (Yield)5.5Joinal ValueSo 527-2/50IngactNominal ValueUnitTest MethodTensile Stress (Yield)2.5JoinalJoinal ValueCharpy Notched Impact Strength (23°C)2.5Jum ² So 179/1eAThemalNominal ValueUnitTest MethodHarper Stress (Yield)2.5Jum ² So 179/1eATest Deflection Temperature (0.45 MPA) UnitTest MethodSo 179/1eAHarper Stress (Yield)Nominal ValueUnitTest MethodHarper Stress (Yield)So 180Jum ² So 179/1eAHarper Stress (Yield) <td>Appearance</td> <td>Black</td> <td></td> <td></td>	Appearance	Black		
Processing MethodInjection MoldingPhysicalNominal ValueUnitTest MethodDensity0.920g/cm³ISO 1183Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)20g/10 minSo 1133Molding Shrinkage1.0 to 2.0%HardnessNominal ValueUnitTest MethodRockwell Hardness112ISO 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus2200MPaISO 527-2/10Tensile Streis (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodTensile Streis (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5k/m²ISO 179/1eAHernalNominal ValueUnitTest MethodCharpy Effection Temperature (0.45 MPA, Lord Strength)122°CS0 57-2/B		Colors Available		
Processing MethodInjection MoldingPhysicalNominal ValueUnitTest MethodDensity0.920g/cm³ISO 1183Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)20g/10 minSo 1133Molding Shrinkage1.0 to 2.0%HardnessNominal ValueUnitTest MethodRockwell Hardness112ISO 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus2200MPaISO 527-2/10Tensile Streis (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodTensile Streis (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5k/m²ISO 179/1eAHernalNominal ValueUnitTest MethodCharpy Effection Temperature (0.45 MPA, Lord Strength)122°CS0 57-2/B				
PhysicalNominal ValueUnitTest MethodDensity0.920g/cm³ISO 1183Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)20g/10 minISO 1133Molding Shrinkage1.0 to 2.0%Test MethodHardnessNominal ValueUnitTest MethodRockwell Hardness112ISO 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus200MPaISO 527-2/1Tensile Stress (vield)40.0MPaISO 527-2/50Tensile Stress (vield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5k/m²ISO 179/1eAHeat Deffection Temperature (0.45 MPa, Unannealed)Iso 75-2/BIso 75-2/B	Forms	Pellets		
Density0.920g/cm³ISO 1183Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)20g/10 minISO 1133Molding Shrinkage1.0 to 2.0%Test MethodHardnessNominal ValueUnitTest MethodRockwell Hardness112ISO 2039-2So 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus2200MPaISO 527-2/10Tensile Stress (Yield)40.0MPaISO 527-2/50Impact0.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5Kl/m²ISO 179/1eAHeat Deflection Temperature (0.45 MPA, unanealed)Iz2 and IsaCSo 75-2/BKenton122°CISO 75-2/B	Processing Method	Injection Molding		
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)20g/10 minISO 1133Molding Shrinkage1.0 to 2.0%HardnessNominal ValueUnitTest MethodRockwell Hardness112ISO 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus2200MPaISO 527-2/1Tensile Stress (Yield)40.0MPaISO 527-2/50ImpactNominal ValueUnitTest MethodImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5kl/m²ISO 179/1eAThermalNominal ValueUnitTest MethodHeat Deflection Temperature (0.45 MPa, Long122°CISO 75-2/B	Physical	Nominal Value	Unit	Test Method
kg)20g10 minISO 1133Molding Shrinkage1.0 to 2.0%Test MethodHardnessNominal ValueUnitTest MethodRockwell Hardness112So 2039-2So 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus200MPaSo 527-2/1Tensile Stress (Yield)4.0.0MPaSo 527-2/50Impact0.0%So 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5Ki/m²So 179/1eAThemalNominal ValueUnitTest MethodBuddel Strength (24°C)2.2So 179/1eASo 179/1eABuddel Strength (24°C)1.2So 179/1eASo 179/1eAMethod Strength (24°C)1.2So 179/1eASo 179/1eAMethod Strength (24°C)1.2So 179/1eASo 179/1eA	Density	0.920	g/cm³	ISO 1183
Molding Shrinkage1.0 to 2.0%HardnessNominal ValueUnitTest MethodRockwell Hardness112SO 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus2000MPaISO 527-2/1Tensile Stress (Yield)40.0MPaISO 527-2/50Tensile Strain (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5Kl/m²ISO 179/1eAHeat Deflection Temperature (0.45 MPa, Unannealed)Iz2accomental Strength (23°C)So 75-2/B				
HardnessNominal ValueUnitTest MethodRockwell Hardness112ISO 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus2200MPaISO 527-2/1Tensile Stress (Yield)40.0MPaISO 527-2/50Tensile Strain (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5kl/m²ISO 179/1eAHeat Deflection Temperature (0.45 MPa, Unanealed)122°CISO 75-2/B				ISO 1133
Rockwell Hardness112ISO 2039-2MechanicalNominal ValueUnitTest MethodTensile Modulus2200MPaISO 527-2/1Tensile Stress (Yield)40.0MPaISO 527-2/50Tensile Strain (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5Ki/m²ISO 179/1eAThermalNominal ValueUnitTest MethodHeat Deflection Temperature (0.45 MPa, Unannealed)122°C and Strength (23°C)IsO 75-2/B	Molding Shrinkage	1.0 to 2.0	%	
MechanicalNominal ValueUnitTest MethodTensile Modulus2200MPaISO 527-2/1Tensile Stress (Yield)40.0MPaISO 527-2/50Tensile Strain (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5K/m²ISO 179/1eAThermalNominal ValueUnitTest MethodHeat Deflection Temperature (0.45 MPa, Unannealed)122°CISO 75-2/B	Hardness	Nominal Value	Unit	Test Method
Tensile Modulus 2200 MPa ISO 527-2/1 Tensile Stress (Yield) 40.0 MPa ISO 527-2/50 Tensile Strain (Yield) 6.0 % ISO 527-2/50 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C) 2.5 k/m² ISO 179/1eA Thermal Nominal Value Unit Test Method Heat Deflection Temperature (0.45 MPa, Unapperature) 122 °C ISO 75-2/B	Rockwell Hardness	112		ISO 2039-2
Tensile Stress (Yield)40.0MPaISO 527-2/50Tensile Strain (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5kJ/m²ISO 179/1eAThermalNominal ValueUnitTest MethodHeat Deflection Temperature (0.45 MPa, Unannealed)122°CISO 75-2/B	Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Yield)6.0%ISO 527-2/50ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5kJ/m²ISO 179/1eAThermalNominal ValueUnitTest MethodHeat Deflection Temperature (0.45 MPa, Unannealed)122°CISO 75-2/B	Tensile Modulus	2200	MPa	ISO 527-2/1
ImpactNominal ValueUnitTest MethodCharpy Notched Impact Strength (23°C)2.5kJ/m²ISO 179/1eAThermalNominal ValueUnitTest MethodHeat Deflection Temperature (0.45 MPa, Unannealed)122°CISO 75-2/B	Tensile Stress (Yield)	40.0	MPa	ISO 527-2/50
Charpy Notched Impact Strength (23°C)2.5kJ/m²ISO 179/1eAThermalNominal ValueUnitTest MethodHeat Deflection Temperature (0.45 MPa, Unannealed)122°CISO 75-2/B	Tensile Strain (Yield)	6.0	%	ISO 527-2/50
ThermalNominal ValueUnitTest MethodHeat Deflection Temperature (0.45 MPa, Unannealed)122°CISO 75-2/B	Impact	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed) 122 °C ISO 75-2/B	Charpy Notched Impact Strength (23°C)	2.5	kJ/m²	ISO 179/1eA
Unannealed) 122 °C ISO 75-2/B	Thermal	Nominal Value	Unit	Test Method
Flammability Nominal Value Test Method	-	122	°C	ISO 75-2/B
	Flammability	Nominal Value		Test Method

Flame Rating	НВ		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	15.0 to 60.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	

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

