# ESTABLEND 7400 HF

### Acrylonitrile Styrene Acrylate + PC

Cossa Polimeri S.r.l.

#### Message:

ESTABLEND 7400 HF is an acrylonitrile-styrene-acrylate PC (ASA PC) product. It is available in Europe. ESTABLEND 7400 HF applications include electrical/electronic applications, electrical appliances, engineering/industrial accessories and automotive industries. Features include: flame retardant/rated flame high gloss Good processability Good UV resistance Impact resistance

Fearer   Highlight     God UV resistance   Horkability, god     Workability, god   Hot resistance, high     Low temperature impact resistance   Heat resistance, high     Lex   Retricit/Electronic Applications     Electricit/Electronic Applications   Electricit appliances     Electricit appliances   Electricit appliances     Engineering accessories   Application in Automobile Field     Piretar   Partide     Protein   Normal Value     Vert Mass-Flow Rote (MFR) (260° CMS)   Sind Partide     Internation   Sind Partide     Internation </th <th>General Information</th> <th></th> <th></th> <th></th>	General Information				
Workability, good Low temperature impact resistance Heat resistance, highUsesElectrical/Electronic Applications Electrical appliances Engineering accessories Application in Automobile FieldFormsPartclePhysicalNominal ValueModing Shrinkage - Flow26Moding Shrinkage - Flow050 - 070Motinal ValueUnitMotinal Value010Motinal Value010Motinal Shrinkage - Flow500 - 070Motinal Value010Motinal ValueUnitMotinal Shrinkage - Flow500 - 070Motinal ValueUnitMotinal ValueUnitTensile Strength56.0Yield56.0Motinal ValueMPaASTIM D638Instructure500Motinal ValueMaine Astim D638InstructureASTIM D638Instructure500Motinal ValueMaine Astim D638Instructure500Motinal ValueMaine Astim D638Instructure500Motinal ValueMaine Astim D638Instructure500Motinal ValueMaine Astim D638Instructure500Motinal ValueMaineMotinal ValueMaine Astim D638Instructure500Motinal ValueMaineMotinal ValueMaineMotinal ValueMaineMotinal ValueMaineMotinal ValueMaineMotinal ValueMaineMotinal Value	Features	Highlight			
Low temperature impact resistance, highUsesElectrical/Electronic Applications Electrical appliances Engineering accessories Application in Automobile FieldFormsPartclePhysicalNominal ValueUnitPhysicalNominal ValueJonSpecific Gravity 11.14grantASTM D792MethadjorminASTM D792Molding Shrinkage - Flow0.50 - 0.70%1ASTM D1238Molding Shrinkage - Flow0.50 - 0.70%1ASTM D595MechanicalNominal ValueUnitTest MethodTersile Strength5.00%1ASTM D638Yeld5.00MPaASTM D638Tersile Strength5.00%1ASTM D638Tersile Istrength5.00%1ASTM D638Tersile Istrength3.00MPaASTM D638Tersile Istrength3.00MPaASTM D638Tersile Istrength5.00%1ASTM D638Tersile Istrength5.00%1MSTM D638Tersile Istrength5.00 <td></td> <td>Good UV resistance</td> <td></td> <td></td>		Good UV resistance			
Heat resistance, high     Uses   Electrical/Electronic Applications     Electrical appliances   Engineering accessories     Engineering accessories   Application in Automobile Field     Forms   Particle     Physical   Nominal Value   Unit   Test Method     Specific Gravity 1   1.14   g/cm³   ASTM D792     Melt Mass-Filow Rate (MFR) (260°C/S.04)   26   g/10 min   ASTM D792     Moling Shrinkage - Filow   0.50 - 0.70   %1   ASTM D793     Melt Anass-Filow Rate (MFR) (260°C/S.04)   50.50 - 0.70   %1   ASTM D638     Meltanical   Noninal Value   Unit   Test Method     Tenget   5.0   MPa   ASTM D638     Yield   5.0   MPa   ASTM D638     Finature   5.0   MPa   ASTM D638 <tr< td=""><td></td><td>Workability, good</td><td></td><td></td></tr<>		Workability, good			
Uss   Electrical/Electronic Applications Electrical appliances Engineering accessories Application in Automobile Field     Forms   Particle     Physical   Nominal Value   Unit   Test Method     Specific Gravity 1   1.14   g/cm³   ASTM D792     Methanizat (MFR) (260°C/S.018)   26   g/10 min   ASTM D792     Moling Shrinkage - Filow   0.50-070   %1   ASTM D792     Mechanicat   0.50-070   %1   ASTM D633     Tensile Strength   56.0   MPa   ASTM D633     Yield   54.0   MPa   ASTM D633     Tensile Elongation (Break)   50   MPa   ASTM D633     Firesture   Sa00   MPa   ASTM D633     Tensile Elongation (Break)   50   MPa   ASTM D633     Tensile Elongation (Break)   500   MPa   ASTM D633     Tensile Longation (Break)   500   MPa   ASTM D790     Tensile Longation (Break)   500   MPa   ASTM D633     Tensile Longation (Break)   500   MPa   ASTM D635     Tensile Longation (Break)   500   MPa   ASTM D636		Low temperature impact resistance	2		
Flectrical appliances   Engineering accessories     Application in Automobile Field   Application in Automobile Field     Froms   Patcle     Physical   Nominal Value   Unit   Test Method     Import   1.14   Gron <sup>3</sup> ASTM D722     Import   0.50 - 0.70   Gron <sup>3</sup> ASTM D723     Import   0.50 - 0.70   %10   ASTM D723     Import   0.50 - 0.70   %10   ASTM D723     Import   0.50 - 0.70   %10   ASTM D723     Import   Nominal Value   Vilo   ASTM D733     Import   Nominal Value   Vilo   ASTM D633     Import   5.00   MPa   ASTM D730     Import   Sonial Value   MPa   ASTM D633     Import   Sonial Value   MPa   ASTM D633     Import   Sonial Value   MPa   ASTM D636     Import   Nominal Value   MPa   ASTM D		Heat resistance, high			
Flectrical appliances   Engineering accessories     Application in Automobile Field   Application in Automobile Field     Froms   Patcle     Physical   Nominal Value   Unit   Test Method     Import   1.14   Gron <sup>3</sup> ASTM D722     Import   0.50 - 0.70   Gron <sup>3</sup> ASTM D723     Import   0.50 - 0.70   %10   ASTM D723     Import   0.50 - 0.70   %10   ASTM D723     Import   0.50 - 0.70   %10   ASTM D723     Import   Nominal Value   Vilo   ASTM D733     Import   Nominal Value   Vilo   ASTM D633     Import   5.00   MPa   ASTM D730     Import   Sonial Value   MPa   ASTM D633     Import   Sonial Value   MPa   ASTM D633     Import   Sonial Value   MPa   ASTM D636     Import   Nominal Value   MPa   ASTM D					
Space/space	Uses				
Application in Automobile Field     Forms   Particle     Physical   Nominal Value   Unit   Test Method     Specific Gravity <sup>1</sup> 1.14   grava   ASTM D792     Meth Mass-Flow Rate (MFR) (260°C,50.00)   26   grava   ASTM D1238     Moding Shrinkage - Flow   0.50 - 0.70   %   ASTM D555     Mechanical   Nominal Value   Unit   Test Method     Tensile Strength   -   Sch Mach   ASTM D638     Yeld   50   MPa   ASTM D638     Tensile Elongation (Break)   S00   MPa   ASTM D638     Feature   S00   Mpa   ASTM D636					
Forms   Particle     Physical   Nominal Value   Unit   Test Method     Specific Gravity <sup>1</sup> 1.14   g/cm <sup>3</sup> ASTM D792     Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)   26   g/10 min   ASTM D1238     Molding Shrinkage - Flow   0.50 - 0.70   %   ASTM D955     Mechanical   Nominal Value   Unit   Test Method     Tensile Strength   Vield   Soft O.70   ASTM D638     Yield   56.0   MPa   ASTM D638     Yield   56.0   MPa   ASTM D638     Fracture   54.0   MPa   ASTM D638     Fracture   50.0   %   ASTM D638     Fracture   50.0   MPa   ASTM D638     Fracture   50.0   MPa   ASTM D638     Fracture   S00   MPa   ASTM D638     Impact   Nominal Value   Unit   Test Method     Nominal Value   Unit   Test Method   Stot D650     Impact   Nominal Value   Jin   ASTM D556     0°C   500   J/m   ASTM D256     0°C<		Engineering accessories			
PhysicalNominal ValueUnitTest MethodSpecific Gravity 11.14g/cm3ASTM D792Melt Mass-Flow Rate (MFR) (260°C/5.0kg)26g/10 minASTM D1238Molding Shrinkage - Flow0.50 - 0.70% 0ASTM D955MechanicalNominal ValueUnitTest MethodTensile StrengthKS6.0MPaASTM D638Yield56.0MPaASTM D638Tensile Elongation (Break)> 50%ASTM D638Fexural Modulus2300MPaASTM D638ImpactNominal ValueUnitTest MethodNotched Izod ImpactS00MPaASTM D5560°C500J/mASTM D25623°C560J/mASTM D256		Application in Automobile Field			
PhysicalNominal ValueUnitTest MethodSpecific Gravity 11.14g/cm3ASTM D792Melt Mass-Flow Rate (MFR) (260°C/5.0kg)26g/10 minASTM D1238Molding Shrinkage - Flow0.50 - 0.70% 0ASTM D955MechanicalNominal ValueUnitTest MethodTensile StrengthKS6.0MPaASTM D638Yield56.0MPaASTM D638Tensile Elongation (Break)> 50%ASTM D638Fexural Modulus2300MPaASTM D638ImpactNominal ValueUnitTest MethodNotched Izod ImpactS00MPaASTM D5560°C500J/mASTM D25623°C560J/mASTM D256					
Specific Gravity 11.14g/cm³ASTM D792Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)26g/10 minASTM D1238Molding Shrinkage - Flow0.50 - 0.70%ASTM D955MechanicalNominal ValueUnitTest MethodTensile Strength56.0MPaASTM D638Tensile Elongation (Break)50%ASTM D638Flexural Modulus2300MPaASTM D638ImpactNominal ValueUnitTest MethodNominal ValueUnitTest Methodfor charles of the strength50%for strength2300MPaNominal ValueUnitTest Methodfor charles of the strength50MPafor charles of the strengthSoft D638for charles of the strength <td>Forms</td> <td>Particle</td> <td></td> <td></td>	Forms	Particle			
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)26g/10 minASTM D1238Molding Shrinkage - Flow0.50 - 0.70%ASTM D955MechanicalNominal ValueUnitTest MethodTensile Strength56.0MPaASTM D638Yield54.0MPaASTM D638Tensile Elongation (Break)> 50%ASTM D638Flexural Modulus2300MPaASTM D790Nominal ValueUnitTest MethodNominal ValueUnitTest MethodImpactS00MPaASTM D2560°C500J/mASTM D25623°C500J/mASTM D256	Physical	Nominal Value	Unit	Test Method	
Molding Shrinkage - Flow0.50 - 0.70%ASTM D955MechanicalNominal ValueUnitTest MethodTensile Strength.ASTM D638Yield56.0MPaASTM D638Fracture54.0MPaASTM D638Tensile Elongation (Break)> 50%ASTM D638Flexural Modulus2300MPaASTM D638ImpactNominal ValueUnitTest MethodNotched Izod ImpactS00J/mASTM D2560°C500J/mASTM D25623°C560J/mASTM D256	Specific Gravity <sup>1</sup>	1.14	g/cm³	ASTM D792	
MechanicalNominal ValueUnitTest MethodTensile StrengthASTM D638Yield56.0MPaASTM D638Fracture54.0MPaASTM D638Tensile Elongation (Break)> 50%ASTM D638Flexural Modulus2300MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact500J/mASTM D2560°C500J/mASTM D25623°C560J/mASTM D256	Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	26	g/10 min	ASTM D1238	
Fensile StrengthASTM D638Yield56.0MPaASTM D638Fracture54.0MPaASTM D638Tensile Elongation (Break)> 50%ASTM D638Flexural Modulus2300MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact500J/mASTM D25623°C560J/mASTM D256	Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955	
Yield56.0MPaASTM D638Fracture54.0MPaASTM D638Tensile Elongation (Break)> 50%ASTM D638Flexural Modulus2300MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact500J/mASTM D2560°C500J/mASTM D25623°C560J/mASTM D256	Mechanical	Nominal Value	Unit	Test Method	
Fracture54.0MPaASTM D638Tensile Elongation (Break)> 50%ASTM D638Flexural Modulus2300MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact500J/mASTM D2560°C500J/mASTM D25623°C560J/mASTM D256	Tensile Strength			ASTM D638	
Tensile Elongation (Break)> 50%ASTM D638Flexural Modulus2300MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact500J/mASTM D2562°C560J/mASTM D256	Yield	56.0	MPa	ASTM D638	
Flexural Modulus2300MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact500J/mASTM D2560°C500J/mASTM D25623°C560J/mASTM D256	Fracture	54.0	MPa	ASTM D638	
Impact Nominal Value Unit Test Method   Notched Izod Impact ASTM D256   0°C 500 J/m ASTM D256   23°C 560 J/m ASTM D256	Tensile Elongation (Break)	> 50	%	ASTM D638	
Notched Izod Impact ASTM D256   0°C 500 J/m ASTM D256   23°C 560 J/m ASTM D256	Flexural Modulus	2300	MPa	ASTM D790	
0°C     500     J/m     ASTM D256       23°C     560     J/m     ASTM D256	Impact	Nominal Value	Unit	Test Method	
23°C 560 J/m ASTM D256	Notched Izod Impact			ASTM D256	
	0°C	500	J/m	ASTM D256	
Thermal     Nominal Value     Unit     Test Method	23°C	560	J/m	ASTM D256	
	Thermal	Nominal Value	Unit	Test Method	

Vicat Softening Temperature

	144	°C	ASTM D1525 <sup>2</sup>	
	138	°C	ASTM D1525 <sup>3</sup>	
Flammability	Nominal Value	Unit	Test Method	
Flame Rating			UL 94	
1.60 mm	НВ		UL 94	
3.20 mm	НВ		UL 94	
Glow Wire Ignition Temperature (2.00 mm)	750	°C	IEC 60695-2-12	
Injection	Nominal Value	Unit		
Drying Temperature	120	°C		
Drying Time	3.0 - 4.0	hr		
Mold Temperature	50.0 - 70.0	°C		
Injection Rate	Moderate			
Injection instructions				
Injection Temperature: 250-280°CInjection Pressure Level: Medium				
NOTE				
1.	23°C			
2.	标准 B (120°C/h), 压 力1 (10N)			
3.	标准 B (120℃/h), 载荷2 (50N)			

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

