

EcoBlend® PAE9730

Acrylonitrile Butadiene Styrene + PET

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

PAE9730 is general purpose resin.PAE9730 is mainly used in ornament of small appliance, shell & panel of PC box,etc.

General Information			
Features	General Purpose		
Uses	Appliances		
	Computer Components		
	General Purpose		
UL File Number	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
240°C/5.0 kg	15	g/10 min	
265°C/5.0 kg	15	g/10 min	
Molding Shrinkage - Flow	0.60 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	50.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	1850	MPa	ASTM D790
Flexural Strength	65.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	400	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	80.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information	Nominal Value		
CSA File No.	LS 66457		
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 90.0	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	230 to 240	°C
Middle Temperature	250 to 260	°C
Front Temperature	265 to 275	°C
Nozzle Temperature	260 to 270	°C
Processing (Melt) Temp	265 to 275	°C
Mold Temperature	80.0 to 100	°C
Back Pressure	1.00 to 5.00	MPa
Screw Speed	40 to 80	rpm

NOTE

1. Rate B (120°C/h)

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