

**PAE9730**  
(ABS+PET)

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	240	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	50	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	1850	MPa	ASTM D 790
Flexural Strength	65	MPa	ASTM D 790
Izod Impact notched, 1/8 in	400	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	80	°C	ASTM D 648
Vicat Temperature	100	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1150	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	265 - 275	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	230 - 240	°C	-
Zone 2	250 - 260	°C	-
Zone 3	265 - 275	°C	-
Nozzle temperature	260 - 270	°C	-
Screw speed	40 - 80	rpm	-
Back pressure	1 - 5	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

General Purpose

**Regional Availability**

Asia Pacific