

# KumhoSunny ABS 765

Acrylonitrile Butadiene Styrene  
Shanghai KumhoSunny Plastics Co., Ltd.

Message:

ABS765 is Injection grade ABS resin. It has high flow and can be painting. ABS765 is mainly used in automobile parts, motorcycle parts, household electric product, etc.

General Information			
Features	High Flow		
	Paintable		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Household Goods		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Tensile Elongation (Break)	38	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	61.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	330	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ASTM D1525 <sup>1</sup>
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	IEC 60093
Volume Resistivity	> 1.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	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	0.050	%
Rear Temperature	190 to 210	°C
Middle Temperature	200 to 230	°C
Front Temperature	200 to 220	°C
Nozzle Temperature	200 to 220	°C
Processing (Melt) Temp	200 to 230	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	1.00 to 5.00	MPa
Screw Speed	30 to 60	rpm

#### NOTE

1. Rate B (120°C/h)

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#### Recommended distributors for this material

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