

Kumho ABS 750SW

Acrylonitrile Butadiene Styrene

Korea Kumho Petrochemical Co., Ltd.



Prospector

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Good Adhesion • Good Dimensional Stability	• Good Flow • High Gloss	• Medium Impact Resistance
Uses	• Appliances • Business Equipment	• General Purpose • White Goods & Small Appliances	
RoHS Compliance	• RoHS Compliant		
Appearance	• White		
Forms	• Pellets		
Processing Method	• Blow Molding • Extrusion	• Injection Molding • Thermoforming	• Vacuum Forming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/21.6 kg	50	g/10 min	
200°C/5.0 kg	4.2	g/10 min	
220°C/10.0 kg	35	g/10 min	

Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
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Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 50.0 mm)	48.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C, 50.0 mm)	15	%	ASTM D638
Flexural Modulus (23°C, 3.00 mm)	2350	MPa	ASTM D790
Flexural Strength (Yield, 23°C, 3.00 mm)	68.5	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	246	J/m	
23°C, 6.40 mm	214	J/m	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	85.0	°C	
Vicat Softening Temperature	95.0	°C	ASTM D1525

Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL			UL 94
1.60 mm	HB		
2.20 mm	HB		
3.20 mm	HB		
UL File Number	E65424		

Notes

¹ Typical properties: these are not to be construed as specifications.