

**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 Flow	• Medium Impact Resistance
	• Good Dimensional Stability	• High Gloss	
Uses	• Appliances	• General Purpose	
	• Business Equipment	• White Goods & Small Appliances	
RoHS Compliance	• RoHS Compliant		
Appearance	• White		
Forms	• Pellets		
Processing Method	• Blow Molding	• Injection Molding	• Vacuum Forming
	• Extrusion	• Thermoforming	

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.04 g/cm <sup>3</sup>	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
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	250 J/m	
23°C, 6.40 mm	210 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**

<sup>1</sup> Typical properties: these are not to be construed as specifications.