

# Wah Hong UP WH-81TM

Polyester Alloy

Wah Hong Industrial Corp.

## Message:

Dry BMC material is Wah Hong Thermoset Plastic, which separate to UP & DAP two types. UP & DAP molding compounds with the excellent properties of moldability, dimemsional stability, electric characteristics, mechanical strength, and heat resistance. Especially, the dry molding compounds pellet can be widely applied in the injection products such as electronics, automobile parts, and household electric appliances.

General Information			
UL YellowCard	E150608-223739		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Electrical Properties		
	Good Moldability		
	Good Strength		
	Halogen Free		
	High Heat Resistance		
	Low Shrinkage		
Uses	Automotive Electronics		
	Electrical/Electronic Applications		
	Packaging		
Appearance	Black		
Forms	Pellets		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.92	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.32 to 0.37	%	ASTM D955
Water Absorption (23°C, 24 hr)	< 0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	12700 to 13700	MPa	ASTM D790
Flexural Strength	108 to 118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	265	°C	ASTM D648
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D257


-- 1	1.0E+13 to 1.0E+14	ohms·cm	
-- 2	1.0E+14 to 1.0E+15	ohms·cm	
Dielectric Strength	30 to 33	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495
Comparative Tracking Index (CTI)	> 600	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			
1.	Boiling		
2.	Normal		

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
 Phone: +86 13424755533  
 Email: sales@su-jiao.com  
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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