

Wah Hong UP WH-8100-BLK D

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	
Features	Flame Retardant
	Good Dimensional Stability
	Good Electrical Properties
	Good Moldability
	Good Strength
	Halogen Free
	High Heat Resistance
	Low Shrinkage
	Tracking Resistant
Uses	Automotive Electronics
	Electrical/Electronic Applications
Appearance	Black
Forms	Pellets
Processing Method	Injection Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.88	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.28 to 0.31	%	ASTM D955
Water Absorption (23°C, 24 hr)	< 0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	10800 to 11800	MPa	ASTM D790
Flexural Strength	98.1 to 108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	255	°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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