

PTFA 25

Polyolefin
Polymer Tailoring Ltd.

Message:

Plastics and polymeric compounds suffer the perennial problem of accumulating and releasing electrical charges in an uncontrolled manner. Hence products made from them generate static electricity and minor shocks, which can initiate explosions when certain products are placed in them. The two traditional ways of solving this problem are (a) to use antistatic additives, which only work under certain conditions (e.g. when damp) and the effect of which is only temporary; and (b) to incorporate carbon black, which naturally turns the compound black and aesthetically unattractive. PTFA 25 is an innovative development in the quest to solve these problems. It is an olefinic-based halogen-free flame-retarded compound with permanent antistatic properties, it is not black and it can be coloured. It is intended for the injection-moulding of sensitive containers.

General Information			
Features	Antistatic		
	Good UV Resistance		
	Halogen Free		
	High Impact Resistance		
	Humidity Independent		
	Low Density		
	Low Temperature Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	58	g/10 min	ISO 1133
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength			ISO 180
-20°C	10	kJ/m²	
20°C	23	kJ/m²	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ¹	1.0E+10	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Additional Information	Nominal Value	Unit	
UV Stability	> 150	kLy	
NOTE			
1.	after 6 months		

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