

Anti-Dripping Agent Pushing® DB108

✂ Disadvantages of pure PTFE

1. Low storage temperature: agglomerating easily
 2. High processing temperature: hard to mold
 3. Rough surface of molding parts due to bad scattering
 4. Decline of mechanical properties of molding parts due to bad compatibility
 5. Inconvenience of usage and operation
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✂ Brief Introduction

Anti-dripping agent Pushing® DB108 is modified from PTFE which has the best fiber-forming property. It is mainly used in flame-retardant formulation of thermoplasticity engineering plastics in which flame-retardancy performance is UL94-V0 (especially in halogen-free flame-retardancy), which can reinforce the drip resistance of flame-retardant materials or reduce the additive amount of flame retardant.

✂ Product Features

1. More excellent flowability: easy to add
2. Not agglomerating under normal temperature storing and processing easily
3. Good dispersability and smooth surface with fisheyes, knit lines & residual monomer
4. Excellent anti-dripping performance
5. Improving physical properties of material
6. Avoiding fusing and improving property and stability flame retardancy
7. Improving post-processing property (in print, adhesion, electroplating and etc.)
8. Environment friendlier and safer
9. Not hurting the in-house mechanism of colophony
10. Low cost due to low additive amount of flame retardant
11. Not easily causing broken bar and bridge phenomenon in the progress of extrusion and reducing the time of machine halt
12. Little influence on impact strength due to good compatibility

✂ Physical and Chemical Properties

Product Grade:	DB108	VOT:	< 0.5%
Molecular Mass(g/mol):	4-5 million	Heavy metal content:	Not detected
Appearance:	white granular	Cd(ppm) :	< 5
Whiteness(%):	≥90%	Pb(ppm) :	< 5
PTFE content:	51±2%	Decomposition(°C,N2):	> 310°C
Flow Velocity of sandglass	65g/sec	Volatile Component(%):	1.5% Max
Bulk density:	0.35g/cm ³	Moisture content:	< 0.35%
Average Particle Size(16mesh)	> 99	Black spot(spot/10g):	Not detected

Product Attribute

Solid. Storage under normal temperature

Application

Pushing® DB108 can be applied in PC, ABS, PC/ABS, HIPS, Nylon, PPO, PBT, PP or their compounds.

UL94-V0 (1.6mm)

Reference

UL94 Standard	V0	V1	V2
Burning time of once	10s	20s	30s
Burning time of total	50s	250s	250s
Burning of cotton by dripping	not burning	not burning	not burning

Processing Guide

In the process of manufacturing the anti-dripping polycarbonate, add directly 0.3-0.5 PHR of DB108 into the blender.

Usually, to use twin-screw extrusion has the better performance than single-screw.

Suggested additive amount:

Case 1

PC	0.5%
PC/ABS	0.3%
HIPS	0.2%
PBT	0.3%
ABS	0.1%

Case 2

HIPS	PTFE	DB108
Additive amount(%)	0.003	0.003

Shelf Life

2 years

Packaging

Net 25kg/drum

Packed in export-oriented kraft drum with PE lining inside

Disclaimer:

All the data above are obtained from standard samples under the dry condition of our lab , just for reference. Because various raw materials and processing progress are beyond our control, customers should confirm by themselves whether the selected grades are applicable. Since there are many uncertainties beyond our knowledge and control, our company is not responsible for any loss or injury based on the above information.