DREYSTAT (ESD Control Material)

A good solution for ESD & Particle issue

- We developed high heat resistance, transparent, inherently dissipative polymer for ESD control.
- DREYSTAT (standard type / High temp type) can control the surface resistivity of compound material in the range between 10^6 and 10^9 ohm/sq.
- High temp type can be used for super engineering plastics, such as PEEK, PEI, and PPS, because its heat resistance is much higher than conventional IDP.
- Transparent type can control the surface resistivity of compound material in the range between 10^7 and 10^9 ohm/sq, with keeping the transparency of base polymer.
- There is no carbon particle issue, and there is no bleed out issue.

Features

- Surface resistivity can be controlled between 10^6 and 10^9 ohm/sq.
- Permanent ESD control
- Temperature and Humidity independent
- Can be used for super engineering plastics such as PEEK, PEI, and PPS
- Transparent type is available

Available Form

- As additive (Granules or Powders)
- As compound material (Pellets)
  can be compounded with several type of base polymers, such as PC, PPS, PEI, PEEK, etc.

Standard Grades

	Ivory		Transparent
Type	Standard	High Temp	Transparent
Grade name	IDP-ST	IDP-HT	IDP-TP
Max. process temperature	350 degC	400 degC	350 degC
Density	1.23	1.23	1.02
Recommended molding method	Extrusion, injection	Extrusion, injection	Extrusion, injection
Applicable polymer	HIPS, ABS, PP, PS, PC, PPO, PA, etc	PPS, PEI, PEEK, etc	ABS, PC, PS, PP, SBC,etc
Typical mixing ratio (WT.%)	13 - 15	13 - 15	1 - 1.5
Typical SR(End products)	E6 - E9 ohm/sq	E6 - E9 ohm/sq	E7 - E9 ohm/sq

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