

## PELESTAT LINE-UP

PROPERTY	PELESTAT NC6321	PELESTAT NC7530	PELESTAT 300	PELESTAT 230	PELESTAT 201
Base Structure	6Ny-b-PEO	6Ny-b-PEO	PP-b-PEO	PP-b-PEO	PP-b-PEO (No ion)
Melting Point [°C]	203	176	135	163	163
Melt Flow Rate [g/10min]	20 ( 215°C, 21.18 N )	10 ( 190°C, 21.18 N )	30 ( 190°C, 21.18 N )	14 ( 190°C, 21.18 N )	14 ( 190°C, 21.18 N )
Refractive Index	1.514	1.530	1.493	1.496	1.496
Thermal Degradation Temperature [°C]	285	280	240	250	250
Surface Resistivity [Ω]	1×10 <sup>9</sup>	2×10 <sup>9</sup>	1×10 <sup>8</sup>	5×10 <sup>7</sup>	3×10 <sup>9</sup>
Applicable Molding Method	Injection	Injection	Injection	Extrusion	Extrusion
Applicable Thermoplastic Resins	Tranceparent ABS ABS, HIPS, PC/ABS	Transparent ABS MS	PP, PE	PP, PE HIPS	PE (no ion) PP (no ion)

## PELECTRON LINE-UP

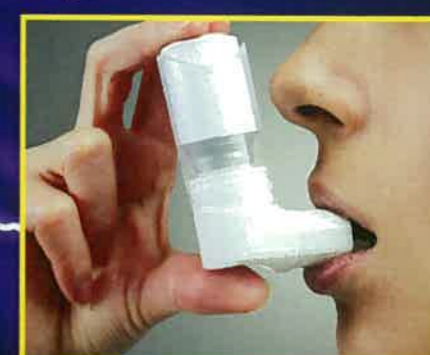
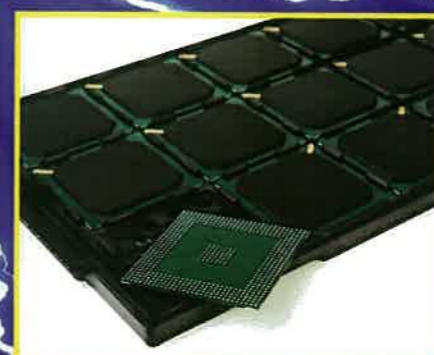
PROPERTY	PELECTRON AS	PELECTRON HS	PELECTRON PVL	PELECTRON PVH	PELECTRON LIP
Base Structure	6Ny-b-PEO	PP-b-PEO	PP-b-PEO	PP-b-PEO	12Ny-b-PEO
Melting Point [°C]	195	135	135	150	164
Melt Flow Rate [g/10min]	30 ( 215°C, 21.18 N )	10 ( 190°C, 21.18 N )	15 ( 190°C, 21.18 N )	7 ( 190°C, 21.18 N )	10 ( 190°C, 21.18 N )
Refractive Index	1.505	1.493	1.496	1.496	1.503
Thermal Degradation Temperature [°C]	285	240	250	250	260
Surface Resistivity [Ω]	4×10 <sup>6</sup>	4×10 <sup>6</sup>	3×10 <sup>6</sup>	2×10 <sup>6</sup>	3×10 <sup>7</sup>
Applicable Molding Method	Injection	Injection	Extrusion	Extrusion	Injection Extrusion
Applicable Thermoplastic Resins	ABS, PC/ABS, PC, Nylon	PP, HIPS	PP, PE HIPS, TPE	PP, PE HIPS, TPE	PMMA, POM, PVC

*Applicable Molding Methods*

# PERMANENT ANTI-STATIC ADDITIVES

Empowering a Variety of Base Materials

## PELESTAT & PELECTRON





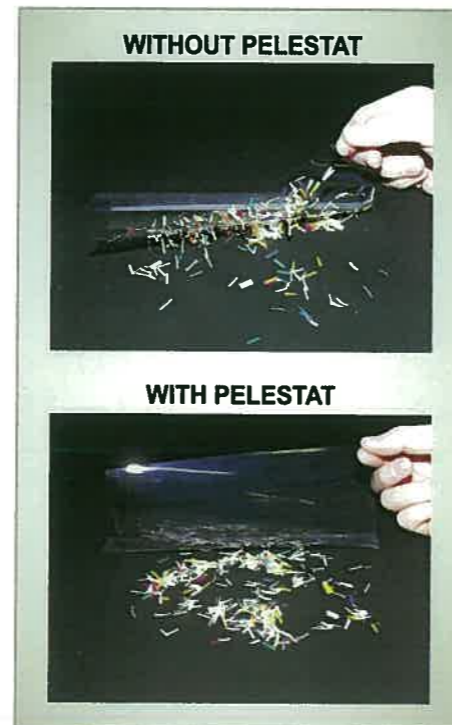
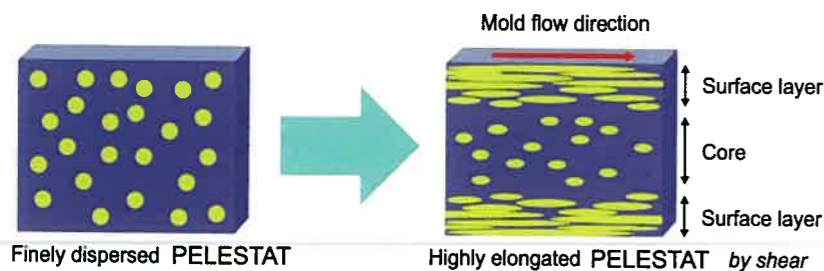
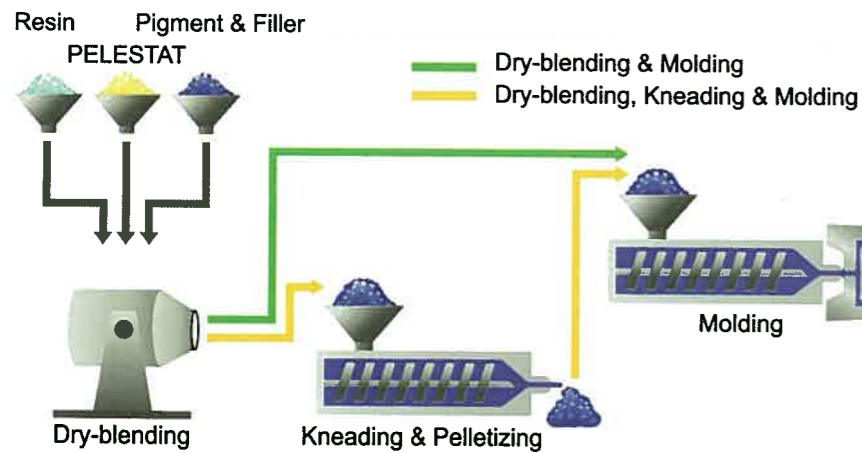
**PELESTAT**, an alloy-type permanent anti-static additive, is a true Inherent Dissipative Polymer based on polyamide or polyolefin with special polyether segments. **PELESTAT** cannot simply wear or wash off and thus becomes a permanent lifetime characteristic of the polymer matrix.

We are the only manufacturer to provide both types of anti-static solutions for a diverse variety of applications. Our unique anti-static technology with special block-type thermoplastic elastomers makes **PELESTAT** the ideal choice. Newly developed **PELECTRON** grades have recently been added, offering even lower surface resistivity.

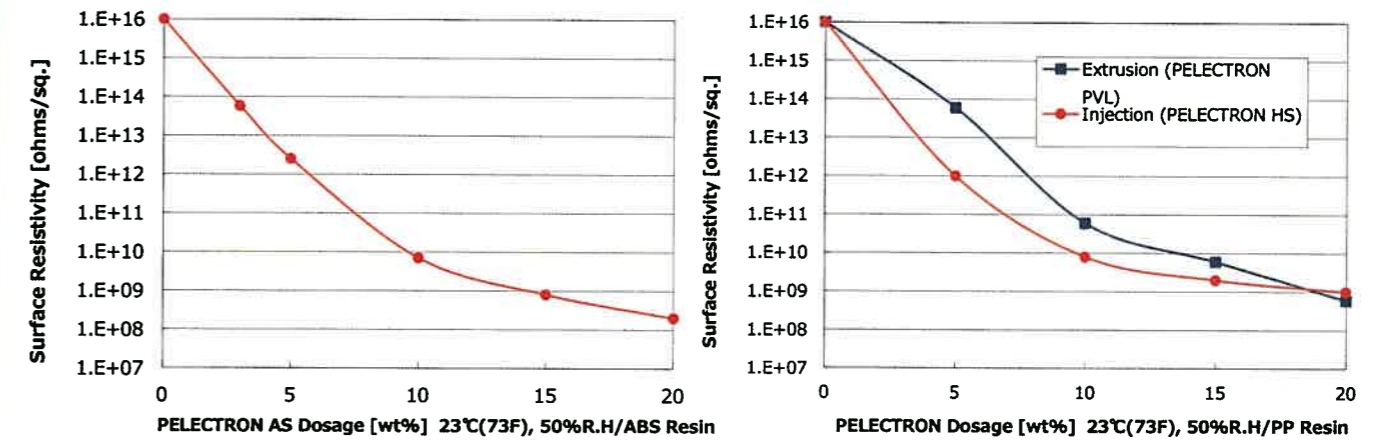
**PELESTAT** and **PELECTRON** also feature...

- Diverse product line-up covers many types of resins.
- Easily mixed or compounded into pellets in standard single-screw & twin-screw extrusion equipment.
- Permanent moisture independent static dissipation.
- Compatible with pigments
- No loss of mechanical properties.
- Non-corroding, minimal off-gassing and non-chloride performance that delivers clean results even in demanding applications like those in electronic, automotive or medical fields.

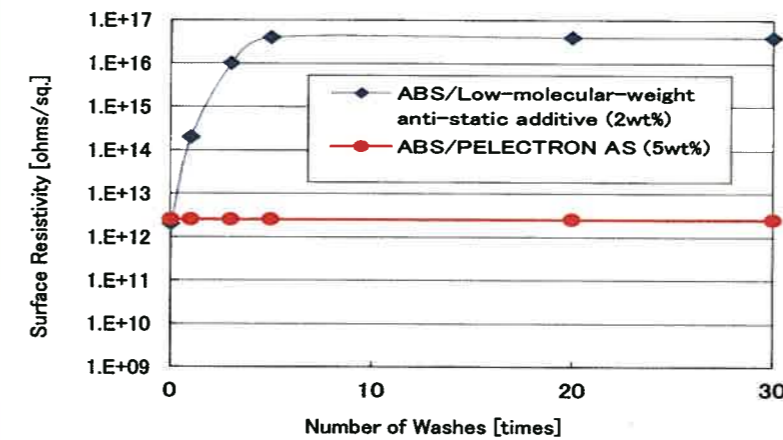
**Figure 1: General Procedure for Application of PELESTAT/PELECTRON**



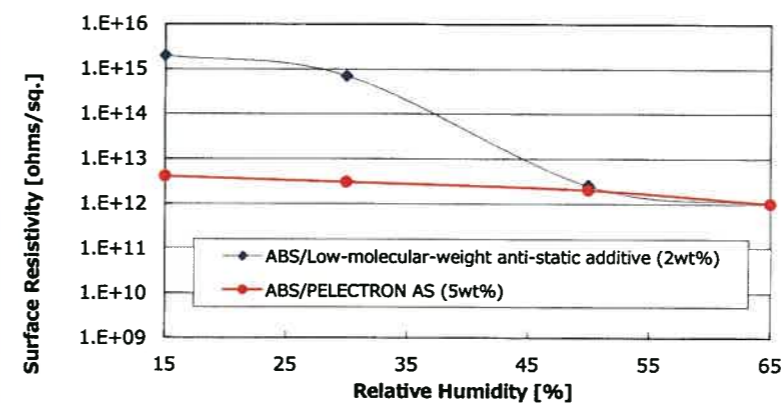
**Figure 2: Example data for Surface Resistivity vs. Dosage**



**Figure 3: Example data for Anti-static durability**



**Figure 4: Example data for Humidity Independence**



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