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Nylon Resin
U-polymer
TERRAMAC
UNILATE
elitel
Powder Paint Resins

[elitel](#) > [Properties](#) > Properties1 > [Top Page](#)

Characteristics
Properties
Major Applications
Hints in handling
Precautions in handling

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elitel

Properties of elitel resins (1)

Low Tg grade (flake)

[Measuring method](#)

Item	Unit	UE3220	UE3223	UE3230	UE3231	UE3400	UE3500
Resin shape	-	Flake	Flake	Flake	Flake	Flake	Flake
Color	-	Pale yellow	Pale yellow	Yellowish green	Yellowish green	Opaque white	Yellowish brown
Moisture content	%	0.5	0.5	0.5	0.5	0.5	0.5
Hardness	Shore-D	33		28	28	28	60
Density	-	1.18		1.18	1.18	1.21	1.23
Limiting viscosity	-	0.87		0.71	0.76	0.92	0.95
Molecular weight	-	25,000	21,000	20,000	23,000	25,000	30,000
Melt viscosity	Pa·sec	50		35	45	50	700
Tensile breaking strength	MPa	1.6		0.3	1.0	2.0	31.4
Tensile breaking elongation	%	2,700		1,000	1,500	1,400	1,530
Softening point	°C	120		115	120	105	145
Glass transition point	°C	5	1	3	3	-20	35
Dielectric constant	-	5.6		6.0	6.0	5.3	4.5
Dielectric dissipation factor	-	0.036		0.065	0.065	0.030	0.020
Hydroxyl value	mgKOH/g	3	8	5	4	3.5	4
Acid value	mgKOH/g	2	1	1	1	2	1
Solubility parameter	-	9.7		9.9	9.9	9.8	10.0
Characteristics		Adhesive agent Resin modifier Soft type Standard resini	Adhesive agent Resin modifier Good solubility Low-temperature sealing	Adhesive agent Resin modifier	Molecular weight higher than UE3230 Improved solubility	Elastomer Rubber elasticity Wide compatibility Low-temperature flexibility	High molecular weight High toughness High strength High elongation

* The values above are typical values and not for use as specification.

[To Page Top](#)

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