

Thermoplastics

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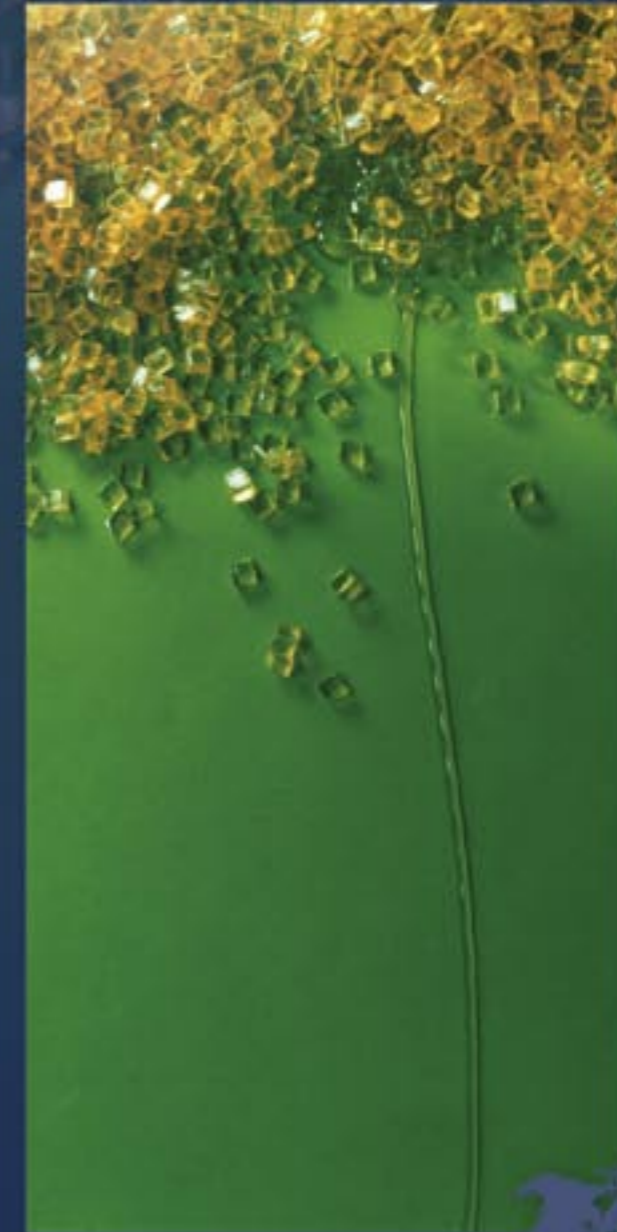
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There you may also download the Technical Data Sheet (TDS) of the product of your choice.

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This product selection and the related properties are valid for:

Zone 1 (EMEA)
Zone 2 (APAC)



Thermoplastics

by Huntsman Advanced Materials

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Adhesion Promoters for PVC Plastisols • Euretek®

Product range	Characteristics	Viscosity [Pa s]	Amine value [mg KOH/g]	EEC Labelling	Colour (Gardner)
Euretek 3606	Polyamidoamine preparation	0.5-1.0 at 75°C	150-170	free	≤ 12
Euretek 3607	Polyamidoamine preparation	9.0-19.0 at 25°C	220-245	free	≤ 12
Euretek 505	Polyamidoamine preparation	1.0-1.5 at 75°C	380-400	Xi	≤ 12
Euretek 510	Polyamidoamine preparation	3.0-5.0 at 75°C	190-210	Xi	≤ 10
Euretek 514 S	Polyamidoamine preparation	2.9-3.1 at 75°C	237-253	Xi	≤ 12
Euretek 530	Polyamidoamine preparation	7.0-12.0 at 25°C	190-210	free	≤ 12
Euretek 531	Polyamidoamine preparation	12.5-22.5 at 25°C	180-210	Xi	≤ 12
Euretek 540	Polyamidoamine preparation	2.2-4.0 at 75°C	440-500	Xi	≤ 12
Euretek 541	Polyamidoamine preparation	12.0-18.0 at 25°C	170-190	free	≤ 10
Euretek 545	Polyamidoamine preparation	1.0-2.5 at 75°C	350-380	Xi	≤ 14
Euretek 547	Polyamidoamine preparation	0.1-0.3 at 50°C	200-240	Xi	≤ 10
Euretek 549	Polyamidoamine preparation	5.0-9.0 at 50°C	265-305	Xn	≤ 12

Hot Melt Adhesives • Euremelt®

Product range	Characteristics	Softening point [°C]	Melt viscosity [Pa s]	Amine value [mg KOH/g]	Acid value [mg KOH/g]	Colour (Gardner)
Rigid polyamides • Euremelt®						
Euremelt 930	Copolyamide	105-115	2.1-2.7 at 165 °C	≤ 6	≤ 8	≤ 10
Euremelt 1133	Copolyamide	128-136	2.0-3.0 at 165 °C	≤ 4	≤ 9	-
Euremelt 1155	Copolyamide	155-165	3.8-5.0 at 180 °C	≤ 2	≤ 8	≤ 8
Euremelt 1165	Copolyamide	170-180	0.11-0.15 at 200 °C	≤ 3	≤ 10	≤ 8
Euremelt 1166	Copolyamide	172-178	0.2-0.4 at 180 °C	≤ 4	≤ 7	≤ 8
Euremelt 1174	Copolyamide	170-180	5.0-8.0 at 210 °C	≤ 5	≤ 8	≤ 10
Euremelt 1175	Copolyamide	175-185	3.0-4.4 at 210 °C	≤ 2	≤ 10	≤ 8
Flexible polyamides • Euremelt®						
Euremelt 2095	Copolyamide	90-100	0.9-1.5 at 160 °C	≤ 5	≤ 7	≤ 10
Euremelt 2096	Copolyamide	92-102	2.1-2.7 at 160 °C	≤ 3	≤ 8	≤ 10
Euremelt 2110	Copolyamide	100-110	33.0-43.0 at 160 °C	≤ 3	≤ 8	≤ 8
Euremelt 2115	Copolyamide	110-120	5.0-7.0 at 160 °C	≤ 4	≤ 8	≤ 10
Euremelt 2130	Copolyamide	125-135	3.0-4.6 at 200 °C	≤ 7	≤ 7	≤ 15
Euremelt 2135	Copolyamide	130-136	2.4-3.4 at 200 °C	≤ 3	≤ 8	≤ 8
Euremelt 2137	Copolyamide	140-150	3.5-5.5 at 210 °C	≤ 2	≤ 8	≤ 8
Euremelt 2138	Copolyamide	138-148	12.0-18.0 at 200 °C	≤ 4	≤ 6	≤ 10
Euremelt 2140	Copolyamide	135-145	7.6-10.0 at 225 °C	≤ 9	≤ 2	≤ 6
Euremelt 2147	Copolyamide	137-145	1.05-1.55 at 180 °C	41 - 49	≤ 2	≤ 10
Euremelt 2151	Copolyamide	150-160	7.0-9.0 at 190 °C	≤ 6	≤ 6	≤ 12
Euremelt 2166	Copolyamide	163-169	1.8-2.6 at 180 °C	≤ 3	≤ 7	≤ 10
Euremelt 2170	Copolyamide	167-175	5.2-6.4 at 200 °C	≤ 2	≤ 9	≤ 10
Euremelt 2194	Copolyamide	188-195	33.0-38.0 at 220 °C	≤ 2	≤ 2	≤ 10
Euremelt 2210	Copolyamide	197-209	4.5-6.5 at 220 °C	≤ 6	≤ 6	≤ 7
Euremelt 2320	Copolyamide	121-127 ¹⁾	110-130 at 220 °C	≤ 2	≤ 3	≤ 4
Euremelt 2821	Copolyamide	121-127 ¹⁾	70.0-90.0 at 220 °C	≤ 5	≤ 6	≤ 6
Euremelt 2838	Copolyamide	135-145	4.0-6.0 at 210 °C	≤ 2	≤ 10	-
Euremelt 2840	Copolyamide	135-145	15.0-21.0 at 200 °C	≤ 13	≤ 2	≤ 6
Euremelt 2888	Copolyamide	185-190	4.0-6.0 at 200 °C	≤ 7	≤ 2	≤ 10
Euremelt 2898	Copolyamide	94-98	11.0-13.0 at 150 °C	≤ 2	≤ 20	≤ 8
TS 03413	Copolyamide	150-160	2.8-4.0 at 210 °C	≤ 3	≤ 10	-
TS 03413 S	Copolyamide	150-160	2.8-4.0 at 210 °C	≤ 3	≤ 10	black

¹⁾ Kofler

Binders for Printing Inks and Varnishes • Eurelon®

Product range	Characteristics	Softening point [°C]	Melt viscosity [Pa s]	Amine value [mg KOH/g]	Acid value [mg KOH/g]	Colour (Gardner)
Co-solvent soluble polyamide resins (for flexo-and rotogravure printing) • Eurelon®						
Eurelon 930	Copolyamide	105-115	2.1-2.7 at 165 °C	≤ 6	≤ 8	≤ 10
Eurelon 931	Copolyamide	105-115	1.8-2.8 at 165 °C	≤ 5	≤ 6	≤ 10
Eurelon 940	Copolyamide	105-115	1.0-2.0 at 165 °C	≤ 5	≤ 6	≤ 10
Eurelon 945	Copolyamide	99-105	0.95-1.55 at 165 °C	≤ 6	≤ 6	≤ 10
Eurelon 946	Copolyamide	98-108	0.6-1.3 at 165 °C	≤ 9	≤ 7	≤ 10
Eurelon 961	Copolyamide	125-135	0.7-1.2 at 150 °C	≤ 7	≤ 7	≤ 10
Eurelon 964	Copolyamide	143-153	0.05-0.15 at 160 °C	≤ 6	≤ 6	≤ 10
Eurelon 970	Copolyamide	105-115	1.3-2.1 at 160 °C	≤ 6	≤ 5	≤ 10
Eurelon 990	Copolyamide	105-115	1.7-2.7 at 165 °C	≤ 3	≤ 12	≤ 9
Eurelon 1112	Copolyamide	105-115	3.1-4.1 at 190 °C	≤ 2	≤ 12	≤ 10
Ethanol soluble polyamide resins (for flexo-and rotogravure printing) • Eurelon®						
Eurelon 962	Copolyamide	105-115	0.3-0.4 at 160 °C	≤ 7	≤ 7	≤ 10
Eurelon 965	Copolyamide	109-119	0.4-1.0 at 160 °C	≤ 5	≤ 6	≤ 10
Eurelon 966	Copolyamide	122-128	0.2-0.3 at 160 °C	≤ 5	≤ 5	≤ 10
Eurelon 969	Copolyamide	97-107	0.4-0.7 at 160 °C	≤ 8	≤ 5	≤ 15
Eurelon 975	Copolyamide	171-181	9.0-13.0 at 230 °C	≤ 5	≤ 6	≤ 8
Polyamide resins with good "slip" and "release" properties (for flexo-and rotogravure printing) • Eurelon®						
Eurelon 950	Copolyamide wax modified	92-98	0.3-0.7 at 165 °C	≤ 5	≤ 6	≤ 10
Eurelon 951	Copolyamide wax modified	130-140	0.15-0.25 at 160 °C	≤ 4	≤ 8	≤ 10
Eurelon 956	Copolyamide wax modified	110-120	0.4-0.6 at 160 °C	≤ 7	≤ 6	≤ 10
Eurelon 957	Copolyamide wax modified	118-128	0.3-0.5 at 160 °C	≤ 5	≤ 5	≤ 10
Special polyamide resins • Eurelon®						
Eurelon 913	Polyamide resin ¹⁾	125-135	0.5-1.0 at 150 °C	3.0-6.5	3.0-7.0	≤ 10
Eurelon 980	Polyamide resin ²⁾	150-170	25.0-55.0 at 200 °C	15-25	90-110	-
Eurelon 900	Polyamide resin ³⁾	180-190	0.3-0.4 at 200 °C	≤ 7	≤ 7	≤ 10
Eurelon 936	Polyamide resin ³⁾	105-110	0.03-0.11 at 160 °C	1.4-7.0	3.0-6.5	≤ 10

¹⁾ Toner for photocopier • ²⁾ Water reducible flexographic inks • ³⁾ Thixotropic agent for alkyd resins

Product range	Characteristics	Solids content [%]	Viscosity 25°C [mPa s]	Amine value [mg KOH/g]	Epoxy equiv. [g/Eq]	Colour (Gardner)
Two-component systems (for thermosetting inks and lacquers) • Eurelon®						
Eurelon 760	Solution of Epoxy Resin ¹⁾	48-52	40-80	-	862-1 099	≤ 8
Eurelon 860	Solution of Polyamide ¹⁾	48-52	200-500	20-34	-	≤ 8
Eurelon 761	Solution of Epoxy Resin ²⁾	46-50	-	-	350-410	≤ 8
Eurelon 861	Solution of Polyamide ³⁾	38-42	100-350	11-16	-	≤ 8

¹⁾ toluene/ethanol • ²⁾ ethyl acetate • ³⁾ ethanol/i-propanol

Nomenclature of Surface Technologies

Huntsman Advanced Materials registered trademarks for the commercial products within this specific market are as following:

- Eurelon®, for co-/polyamide resins (binders)
- Euremelt®, for polyamide resins
- Euretek®, for adhesion promoters for PVC plastisols

Safety and handling precautions

The Material Safety Data Sheet (MSDS) should be consulted prior to handling any of here listed products.