

Luwipal® and Plastopal® amino resins

■ Suited ■■ Highly recommended

Product	Type of product	Non-volatile at 2 h, 125 °C [%]	Viscosity at 23 °C [mPa·s]	Solvent	Temperature reactivity	Acid reactivity	Free formalde- hyde [%]	Key properties	Substrate				
									Wood	Metal	Plastic	Glass	Concrete
Melamine-formaldehyde resin / methanol-butanol-mixed-etherified													
Luwipal® 052	Mixed-etherified melamine resin, high methylolation degree	69–72	4,000–6,500	Butanol	Medium	-	< 1.0	Methanol-butanol-mixed-etherified resin for water-based and solvent-based coatings; high baking reactivity; for automotive application	■	■■	-	■	-
Melamine-formaldehyde resins / methanol-etherified													
Luwipal® 063	Melamine resin, high imino content	68–72	500–800	Water	High	Low	< 0.6	For water-based coatings. Very high baking reactivity, for furniture foil and industrial applications	■	■■	-	■	-
Luwipal® 066	Hexa(methoxymethyl)-melamine, fully methyl-etherified	93–96	2,000–6,000	-	Low	High	< 0.6	For solvent-based and water-based acid-curable coatings. Very high reactivity, for furniture foil and coil-coating applications	■	■■	-	■■	-
Luwipal® 066 LF	Hexa(methoxymethyl)-melamine, fully methyl-etherified	93–96	2,000–6,000	-	Low	High	< 0.3	For solvent-based and water-based acid-curable coatings. Very high reactivity, for furniture foil and coil-coating applications: low formaldehyde content	■	■■	-	■■	-
Luwipal® 066 ULF	Hexa(methoxymethyl)-melamine, fully methyl-etherified	93–96	2,000–6,000	-	Low	High	< 0.1	For solvent-based and water-based acid-curable coatings. Very high reactivity, for furniture foil and coil-coating applications; no CMR labeling	■	■■	-	■■	-
Luwipal® 068	Melamine resin, high etherification degree	81–85	1,600–2,400	Water	Medium	Medium	< 3.5	For water-based acid-curable coatings. High reactivity, for decorative foil applications	■	■■	-	■	-
Luwipal® 069	Melamine resin, high etherification degree	79–83	2,500–3,500	Methanol / ethanol	Medium	Medium	< 1.5	For solvent-based and water-based coatings. Medium to high reactivity, for furniture foil and industrial applications	■	■■	-	■	-
Luwipal® 072	Melamine resin, balanced imino-methylolation degree	73–77	4,000–7,000	Isobutanol	High	-	< 1.0	For solvent-based and water-based coatings. High baking reactivity, for furniture foil, coil, automotive and industrial applications	■	■■	-	■■	-
Luwipal® 073	Melamine resin, balanced imino-methylolation degree	78–82	3,000–5,000	Water	High	Low	< 0.5	For water-based coatings. High baking reactivity, for furniture foil, coil, automotive and industrial applications	■	■■	-	■■	-
Luwipal® 073 LF	Melamine resin, balanced imino-methylolation degree	78–82	3,000–5,000	Water	High	Low	< 0.3	For water-based coatings. High baking reactivity, for furniture foil, coil, automotive and industrial applications; low formaldehyde content	■	■■	-	■■	-
Carbamate resins													
Plastopal® BTM	Carbamate resin / medium-etherified	N/A	2,500–3,700	Water	Low	Medium	< 2.1	Carbamate resin for water-based coatings; medium to high acid reactivity. For foil and furniture coatings	■	■■	-	■	-
Plastopal® BTW	Carbamate resin / medium-etherified	75–79	1,000–1,500	Water	Low	Medium	< 0.8	Carbamate resin for water-based coatings; medium to high acid reactivity. For foil and furniture coatings with lower formaldehyde content than Plastopal® BTM	■	■■	-	■	-

