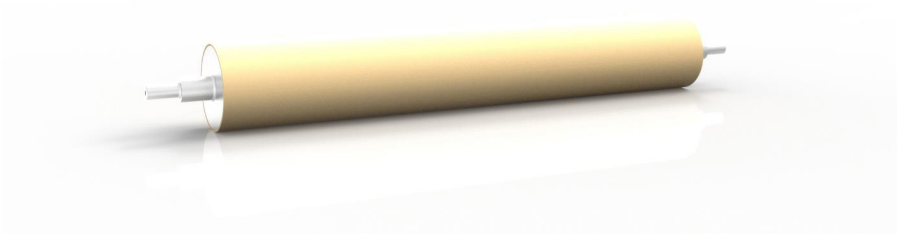
Monkal®-4



Cover Type:	Special polyurethane
Possible applications:	Metals industry : applicator rollers for colour coating, lacquering, printing and chemical coating Specifically suited for coatings with critical aspect (metallic coating, clear coat, low coating thickness etc.) Metal packaging : coating on sheet, beverage cans and spray cans - suited for BPA-free food lacquering Coating on paper, plastic film and aluminium foil : silicone coating, primer coating, varnish, protective coating… Coating on wood and wood panels : bonding layers, catalyser or activator, varnish and clear coating, white coating, staining… Silicone, primer and glue coating for the production of release, label and adhesive stock Other roll-coating applications (PVC, textile, non-woven…)
Hardness Range:	40, 45, 50, 52, 55, 60, 65 Shore A
Available Colours:	beige, green, blue, yellow
Recommended Cover Thickness:	min. 15 mm - max. 30 mm
Temperature resistance:	Dry: continuous 50°C / peak 80°C Wet: continuous 30°C / peak 40°C
Properties and advantages:	Outstanding surface wetting properties,also for water based products - high surface energy High purity and homogeneity Suitable for use in solvent environment (see specific recommendations) - Thanks to the special filler technology, Monkal-4 shows better stability in contact with solvents than other polyurethane covers Good resistance to abrasion and tear Easy to grind and to groove
Chemical resistance:	Acid solutions: Moderate Alkaline solutions: Moderate Hot water and steam: Not suited Ozone: Good

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	Oil and grease:	Very good
	Aromatic solvents (toluene, benzene,...):	Moderate
	Chlorinated solvents:	Not suited
	Polar solvents (MEC, ether, acetate,...):	Moderate
	Alcohols (ethanol, IPA,...):	Good
Recommended cleaning products:	Water, soap & detergents, fuel, Solvesso, turpentine – with moderation: alcohol based cleaners, MEC	
Remark:	For the correct use of Monkal-4 coated rollers and wheels, we kindly refer to the Monkal Quick Start Manual	