



ROLL COVERING FOR THE TRANSFORMATION OF PLASTIC MATERIALS **WINDING & SLITTING**

The increasing web width and line speed, combined with reduced film thickness, makes it more and more difficult to avoid film defects during winding and slitting.

The Hannecard Group has conceived coverings and concepts that offer remarkable quality improvements, at the same time assuring a better lifetime.

YOUR NEEDS

- Reduction of slitting and winding defects
- Good contact behaviour between roll and film
- Smooth surface
- High finishing precision
- Vibration reduction
- Long lifetime
- Roller solutions (light weight cores, no unbalance)
- Anti-static (if required)
- Release properties (if required)

OUR SOLUTIONS

- Rubber, polyurethane and composite covers up to 12 meter length
- Standard, anti-static and conductive covers
- Multi-layer covering solutions
- From very smooth to very rough surface finish
- Cylindrical, cambered and special surface shape
- All grooved and engraved finishes
- Special inspection equipment (Shonthaler, laser measurement...)
- Vibration and dynamic unbalance measurement, dynamic balancing up to 12 meter length
- Light-weight roller cores : new cores, repair, maintenance

CONTACT, LAY-ON AND DRUM ROLLERS

Depending upon the line speed, the web width and the film type, Hannecard offers different solutions for winding and slitting contact rollers :

Type	Solution	Characteristics
Standard	NipFoil-S Grey - Rubber 30-80 shore A	<ul style="list-style-type: none"> • Excellent ozone and temperature resistance (up to 125 °C) • Good abrasion resistance • Good physical properties
Standard Anti-static	NipFoil-S-AS Black - Rubber 50-90 shore A	<ul style="list-style-type: none"> • Excellent ozone and temperature resistance (up to 125 °C) • Good abrasion resistance • Good physical properties • Anti-static
	ClearFoil-S-AS Green - Rubber 65-85 shore A	<ul style="list-style-type: none"> • Excellent ozone and temperature resistance (up to 125 °C) • Good abrasion resistance • Good physical properties • Anti-static • Non-black, non-staining, sanitary
Standard	Hannethane Blue/Brown - PU 25-95 shore A	<ul style="list-style-type: none"> • Excellent ozone resistance • Outstanding abrasion resistance • Outstanding physical properties
Standard Anti-static	Hannethane-AS Black - PU 40-90 shore A	<ul style="list-style-type: none"> • Excellent ozone resistance • Outstanding abrasion resistance • Outstanding physical properties • Slightly anti-static
Semi-conductive	Hannethane-SC Black - PU 40-85 shore A	<ul style="list-style-type: none"> • Excellent ozone resistance • Outstanding abrasion resistance • Outstanding physical properties • Semi-conductive
Special	DuoStar-AS Black - PU 35 + 60 shore A	<ul style="list-style-type: none"> • Highly dampening base layer with abrasion resistant polyurethane top layer • For wrinkle free winding of big width film at very high speed • Excellent abrasion resistance • Anti-static
	Flexolys-Foam White - PU	<ul style="list-style-type: none"> • Foam polyurethane • Especially suited for drum rollers • Compressible coating that absorbs all stress-related deformation • Density range between 0,4 and 0,6

SUCTION ROLLERS

For bi-oriented and other delicate film types, suction rollers can be used to engage the film. Often, a coating is needed to improve the contact between film and suction roll.

Different polyurethane coatings can be obtained, eventually in combination with composite base layers, both in standard and anti-static version. Hannecard can also propose a thin protective polyurethane cover :

Type	Solution	Characteristics and advantages
Multi-Performant	HanneLine Grey 60-98 shore A	<ul style="list-style-type: none"> Recommended hardness : 90 shore A Maximum thickness : 1 mm Possible to grind and to polish Excellent abrasion resistance

SPLICER ROLLERS

Type	Solution	Characteristics and advantages
Multi-Performant	MicroGraf	<ul style="list-style-type: none"> Recommended hardness : 40 shore 00 Micro-cellular covering Permanent and remaining elasticity

RELATED DOCUMENTS

- Solutions - '**Bi-oriented plastic films**'
- Solutions - '**Corona Treatment**'
- Solutions - '**Cast Extrusion**'
- Solutions - '**Blown Extrusion**'
- Solutions - '**Plastics industry**'
- Solutions - '**Plastic film spreading**'
- **Technical data sheets** for the different covering materials

MORE INFORMATION?

For more information, please contact your local Hannecard partner or visit our website at:

www.hannecard.com