



ROLLER COVERING FOR THE FILM & FOIL INDUSTRY THE PLASTICS INDUSTRY

The use of plastic materials is infinite. In a lot of processes, diverse covered rollers are used as an essential part to assure the functioning and the quality of the end product. Hannecard proposes standard, as well as high end solutions for every possible application.

YOUR REQUIREMENTS

- High reliability
- Guaranteed result
- Maximum performance
- Resistance against ozone, temperature, mechanical and dynamic aggression
- Suitable surface condition
- Proximity and technical assistance

HANNECARD ADVANTAGES

- Unique range of possibilities, coverings, technologies and concepts
- Unique dimensional possibilities : up to 12 meter length and 32 tonnes in weight
- Rubber, silicone, polyurethane and composite coverings
- Anti-static and conductive coverings
- High-insulation coverings
- High release coverings
- All possible finish and grinding options : from very smooth to very rough, flat, cambered, grooved, drilled etc.
- Supply of new roller cores (steel, stainless steel, aluminium and composite materials)
- In-house dynamic balancing
- Full maintenance possibilities
- Project and original equipment supply
- Technical support, performance

AN OVERVIEW

- Production of plastic fibres and granulates
- Production of flat cast and blown plastic film (PE, PP, PETP, PE etc.)
- Production of bi-oriented plastic film (BOPP, BOPET, BOPVC etc.)
- Plastic film conversion :
 - Stretching, winding, cutting, tensioning, guiding, film separation etc.
 - Corona and flame treatment
 - Printing and coating
 - Laminating
 - Pricking, embossing
- Production of PVC film and sheet, production of finished PVC products
- Production of hard plastic sheet (PE, PP, PS, PC, PTFE etc.)
- Production of expanded plastics and foam (EPS, EPE, EPP etc.), production of bubble foam

HANNECARD COVERING QUALITIES

Type	Solution	Characteristics
Standard Normal & Antistatic	NipFoil-S NipFoil-S-AS Rubber - 45-85 shore A	<ul style="list-style-type: none"> • Nip rollers and back-up rollers for diverse applications • Blown and flat extrusion, corona and flame treaters • Transfer section of bi-oriented film • Winding, slitting, coating etc. • Maximum temperature : 125 °C - ozone resistant
Standard Antistatic	ClearFoil-S-AS Rubber - 65-85 shore A	<ul style="list-style-type: none"> • Nip and contact rollers • Non-staining and sanitary • Non-black antistatic (light green colour)
High-end Normal & Antistatic	NipFoil-Plus NipFoil-XP NipFoil-XP-AS NipFoil-XPE NipFoil-XPE-AS Rubber - 50-90 shore A	<ul style="list-style-type: none"> • Nip rollers and back-up rollers for diverse applications • Blown and flat extrusion, corona and flame treaters • Transfer section of bi-oriented film • Winding, slitting, coating etc. • Maximum temperature : 140 °C - ozone resistant • MDO-Nip rolls • Rollers and wheels for fibre stretching and cutting • Higher abrasion and cut-in resistance
Special	NipFoil-HP Rubber - 65-90 shore A	<ul style="list-style-type: none"> • Nip rollers for high load and high temperature situations, MDO nip rollers • Maximum temperature : 150 °C - ozone resistant
Silicone Normal & Antistatic	NipFoil-HT NipFoil-HT-AS Rubber - 55-80 shore A	<ul style="list-style-type: none"> • Nip rollers for very high temperature applications • Lamination, glue and hot embossing counterparts • Maximum temperature : 220 °C
Silicone	Vulcan Rubber - 60-80 shore A	<ul style="list-style-type: none"> • Nip rollers for very high temperature applications • Lamination, glue and hot embossing counterparts • Specific anti-stick properties • Maximum temperature : 260 °C
High-end	BupFoil-S Rubber - 70 shore A	<ul style="list-style-type: none"> • Extrusion-coating and extrusion-lamination back-up rollers • Maximum nip temperature : 140 °C
Special - Double layer	BupFoil-XP Rubber - 60-80 shore A	<ul style="list-style-type: none"> • Extrusion-coating and extrusion-lamination back-up rollers • Improved anti-stick properties • Maximum nip temperature : 250 °C

**New generation Hannecard ECO-quality*

Type	Solution	Characteristics
Standard Antistatic	FoilSpread-AS Rubber - 30-40 shore A	<ul style="list-style-type: none"> Low hardness coverings for film and foil stretching Often combined with "FlexSpreader" grooving Maximum temperature : 80 °C
Standard Silicone	Corona-S Rubber - 70-80 shore A	<ul style="list-style-type: none"> Corona treater back-up rollers 30 kV/mm insulation guarantee
High-end silicone	Corona-XP Rubber - 70-80 shore A	<ul style="list-style-type: none"> Corona treater back-up rollers 50 kV/mm insulation guarantee Highest electrical stability Excellent abrasion resistance
Special	Meteor-CH Meteor-TP Rubber - 60-90 shore A	<ul style="list-style-type: none"> Nip rollers for very high temperature applications Lamination and hot embossing counterparts Improved abrasion resistance Outstanding chemical resistance Maximum temperature : 260 °C
Standard	GelForm-S Rubber - 65-80 shore A	<ul style="list-style-type: none"> Nip and back-up rollers for production of PVC sheet and floor covering Maximum temperature : 110 °C
Silicone	GelForm-XP Rubber - 45-80 shore A	<ul style="list-style-type: none"> Nip and back-up rollers for production of PVC sheet and floor covering Improved resistance to most plasticizers Maximum temperature : 180 °C
High Performance	Hannethane-S Hannethane-XP Polyurethane - 25-95 shore A	<ul style="list-style-type: none"> Rollers for slitting, winding, tensioning, transport Rollers for high abrasion (side) applications Maximum temperature : 60-90 °C
High Performance	Hannethane-HP Polyurethane - 70-95 shore A	<ul style="list-style-type: none"> Rollers submitted to high (dynamic) loads Rollers with improved grip demands Maximum temperature : 70 °C
High Performance Antistatic	Hannethane-AS Polyurethane - 40-90 shore A	<ul style="list-style-type: none"> Nip and back-up rollers for diverse applications Rollers for slitting, winding, tensioning, transport Rollers for high abrasion (side) applications, demanding antistatic properties Maximum temperature : 60-90 °C
High Performance Semi-Conductor	Hannethane-SC Polyurethane - 40-85 shore A	<ul style="list-style-type: none"> Nip and back-up rollers for diverse applications Rollers for slitting, winding, tensioning, transport Rollers for high abrasion (side) applications, demanding good electrical conductivity and improved release properties Maximum temperature : 60-90 °C
Special Semi-Conductor High Release	HanneRelease Polyurethane - 40-90 shore A	<ul style="list-style-type: none"> Nip & back-up rollers when specific high release properties needed Anti-pollution coverings Nip rollers for film separation Maximum temperature : 60-90 °C
Special	Monkal HanneCoat Polyurethane - 40-65 shore A	<ul style="list-style-type: none"> Applicator rollers for varnish and different coatings Silicone transfer and applicator rollers Coating back-up rollers
Special High temperatures	HanneTherm HanneDyn-XP Polyurethane - 90-95 shore A	<ul style="list-style-type: none"> High load and high abrasion applications at high temperature Stretching, puller and cutting wheels and rollers Maximum temperature : 140 °C
Hybrid coating	Lotus-FEP Lotus-PFA	<ul style="list-style-type: none"> Hot melt and lamination back-up rollers Embosser and calendar back-up rollers Extreme anti-stick and release properties Maximum temperature : 200-260 °C
Hybrid coating	Lotus-XR Rubber - 70 shore A	<ul style="list-style-type: none"> Hot melt and lamination back-up rollers Embosser and calendar back-up rollers Excellent anti-stick and release properties Multiple grinding possibilities Maximum temperature : 250 °C
Hybrid coating	Edelweiss	<ul style="list-style-type: none"> Double layer covering for deep embossing Embosser back-up rollers for PVC and soft plastics Maximum temperature : 150 °C

RELATED DOCUMENTS

- Solutions - 'Winding & Slitting'
- Solutions - 'Bi-oriented plastic film'
- Solutions - 'Blown Extrusion'
- Solutions - 'Cast Extrusion'
- Solutions - 'Corona Treatment'
- Solutions - 'Plastic film spreading'
- Solutions - 'PVC & other soft plastics processing'
- Product sheet - 'Flexolys-Foam'
- Product sheet - 'Lotus'
- Product sheet - 'Edelweiss'

MORE INFORMATION?

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