



HANSA[®] LPW silicone gum range

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Leather Solutions & Silicone Formulations

HANSA® LPW silicone gum range

Background

HANSA® LPW silicone gum range are new silicone gum emulsions, which can be used to improve the abrasion resistance of finished leather while giving a waxy and smooth touch modification.

It provides also gliding properties and good light fastness.

We recommend to use the product for car upholstery or furniture finishing and for the shoe industry.

HANSA® LPW silicone gum are BTX-free products.



Product description

HANSA® LPW silicone gum range

Chemical character	Composition of a high viscosity polydimethylsiloxane
Appearance	white paste
Solid content at 140°C	60 - 75%
Dilution stability (32 %, at RT)	stable
Compatibility with standard PU top coat	Very good
Touch modification	customized

HANSA® LPW silicone gum range

HANSA® LPW silicone gum range are silicone-based additives in order to achieve different touches, appearances requested by the market, without influencing the mechanical performances (TABER). Below some tested examples.

Touch modification	
HANSA LPW 854	Waxy and smooth touch
HANSA LPW 856	Waxy, warm and full touch

ABRASION TABER TEST	Type of wheel	N° cycles	Weight loss (g)
Top coat without silicones	CS10	2000	1,108
HANSA LPW 854	CS10	2000	0,031
HANSA LPW 856	CS10	2000	0,033

VESLIC TEST on full grain cow side	Water		Water		Alcohol	
	Wet rub fastness 1st test		Wet rub fastness 2nd test		Wet rub fastness 1st test	
	N°rubs	Grey scale	N°rubs	Grey scale	N°rubs	Grey scale
Top coat without silicones	500	1	500	1	40	2/3
HANSA LPW 854	500	5	800	4/5	40	2
HANSA LPW 856	500	5	800	4/5	40	2/3

VESLIC TEST on buffed grain cow side	Water		Water		Alcohol	
	Wet rub fastness 1st test		Wet rub fastness 2nd test		Wet rub fastness 1st test	
	N°rubs	Grey scale	N°rubs	Grey scale	N°rubs	Grey scale
Top coat without silicones	250	2/3	400	2/3	30	2/3
HANSA LPW 854	250	5	800	4/5	30	2/3
HANSA LPW 856	250	5	800	4/5	30	2/3

Guide application recipe for car upholstery or furniture finishing

PUD (solid content 18%)	100 parts
Water	30 parts
Isocyanate crosslinker	5 parts
HANSA® LPW silicone gum range; max. solid content 40 %)	6 parts

Application of the top coat formulation on leather

- Spray 2 crosses for a total amount of 2.5 g/sqf
- Store overnight to let product react with the leather surface
- Dry milling for 3 hours
- Iron at 100°C with a pressure of 50 kg for 1 sec



Our department for applied technique is always at your service for further information and advice.

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You need further information?

Please contact us under e-mail: leather@cht.com



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