

HEAT SEAL & COLD SEAL LACQUER SYSTEMS

MYSEAL® HSL & CSL SERIES

A complete range of heat seal and cold seal lacquer solutions engineered for performance, substrate versatility and processing reliability in flexible packaging converting. Solvent-based HSL grades for heat-activated sealing, and a water-based CSL grade for pressure-sensitive, heat-free applications.

UNIVERSAL SUBSTRATES

ALU / PET-ALU

OPAQUE & MATTE

FOOD CONTACT COMPLIANT

HIGH MOISTURE RESISTANCE

COLD SEAL TECHNOLOGY

WATER-BASED

HSL-05

Universal — broad substrate compatibility

HSL-06

PET-Alu / Alu foil against APET

HSL-08

Opaque & matte, moisture resistant

CSL35

Water-based cold seal — pressure-activated

PRODUCT PORTFOLIO

SOLVENT-BASED HEAT SEAL LACQUER SYSTEMS

The MySEAL® HSL series covers a range of solvent-based heat seal lacquers designed to address the most demanding requirements in flexible packaging converting. Each grade delivers consistent sealing performance, substrate-specific adhesion, and reliable processing behaviour on modern gravure and flexo coating lines.

HSL-05 MYSEAL HSL-05 UNIVERSAL Broad-spectrum heat seal lacquer for standard flexible packaging structures	SOLID CONTENT ≈ 38%	VISCOSITY (MPAS) ~890	SOLVENT EAC
KEY PERFORMANCE FEATURES ▶ Excellent heat sealability across a broad temperature window ▶ Strong adhesion to OPP, PET, PE and coated substrates ▶ Good resistance to oils and fats ▶ High optical clarity and low haze ▶ Consistent viscosity for gravure and flexo application ▶ Compatible with standard ink and primer systems	TYPICAL APPLICATIONS ▶ Snack and dry food packaging (OPP/CPP, PET/PE) ▶ Flow-wrap and pillow-pouch structures ▶ Lidding films for trays and containers ▶ Multi-layer laminates requiring universal sealing performance ▶ General flexible packaging with broad substrate compatibility		
HSL-06 MYSEAL HSL-06 Specifically engineered for PET-Alu / Alu foil structures against APET	SOLID CONTENT ≈ 28%	VISCOSITY (MPAS) ~190	SOLVENT EAC
KEY PERFORMANCE FEATURES ▶ Tailored adhesion to aluminium foil and metallised PET surfaces ▶ Optimised sealing performance against APET thermoformed trays ▶ Low coat weight efficiency — typical 1.5–3 g/m² ▶ Good chemical resistance to liquid contents ▶ Reliable peel force control for peelable lidding applications ▶ Low residual solvent under correct drying conditions	TYPICAL APPLICATIONS ▶ Peelable lidding for APET trays ▶ Dairy and fresh food lidding applications ▶ MAP packaging structures requiring controlled seal and peel performance ▶ Portion-pack and single-serve lidding films ▶ Aluminium foil and PET/Alu structures for selected food packaging applications		
HSL-08 MYSEAL HSL-08 Opaque, matte-finish heat seal lacquer with enhanced water and moisture resistance	SOLID CONTENT ≈ 38%	VISCOSITY (MPAS) ~325	SOLVENT Ketone/EAC
KEY PERFORMANCE FEATURES ▶ High opacity and controlled matte finish — ideal for premium pack aesthetics ▶ Excellent water and moisture resistance, including condensing environments ▶ Elastomeric component ensures flexibility and controlled anti-blocking ▶ Adhesion on OPP, polypropylene and coated film surfaces ▶ Stable viscosity over processing time; suitable for gravure coating ▶ Anti-blocking agent incorporated for roll and stack stability	TYPICAL APPLICATIONS ▶ Confectionery and bakery flow-wrap requiring opaque/matte appearance ▶ Flexible packaging exposed to humid handling or storage conditions ▶ Opaque pouch or wrap structures requiring improved visual coverage ▶ Premium packaging requiring a controlled matte surface feel ▶ Applications where anti-blocking and roll stability are important		

PRODUCT SELECTION GUIDE

PARAMETER	HSL-05 UNIVERSAL	HSL-06 ALU/APET	HSL-08 OPAQUE
Substrate compatibility	OPP, PET, PE, coated films	Alu foil, met-PET, APET	OPP, coated films, PP
Optical appearance	Clear / glossy	Clear / glossy	Opaque / matte
Water/moisture resistance	● Standard	● Standard	● Enhanced
Peel control (peelable)	● On request	● Optimised	● On request
Anti-blocking built-in	● Standard	● Standard	● Yes
Food contact compliance	● Yes	● Yes	● Yes
Typical coat weight (g/m ²)	2 – 4	1.5 – 3	2 – 5
Application method	Gravure, flexo	Gravure, flexo	Gravure

TECHNICAL & REGULATORY COMMITMENT

All MySEAL® HSL grades are designed to support food-contact packaging applications, subject to the final packaging structure, coating weight, drying conditions, residual solvent level and applicable migration/compliance assessment. Regulatory declarations can be provided upon request based on the intended end-use and applicable EU, FDA or other relevant frameworks.

APPLICATION METHOD

Gravure and flexo coating heads at standard line speeds

DRYING CONDITIONS

Conventional hot-air drying ovens; temperature profile on TDS

TECHNICAL SUPPORT

Process setup, troubleshooting and custom development available

COLD SEAL TECHNOLOGY

WATER-BASED COLD SEAL LACQUER SYSTEM

CSL35

MYSEAL CSL35

Water-based cold seal coating based on elastomeric latex technology – pressure-activated, no heat required

SOLID CONTENT
≈ 51%

VISCOSITY FC4 25°C
15–20 s

BASIS
Water

KEY PERFORMANCE FEATURES

- ▶ Pressure-activated sealing at ambient temperature – no heat source required
- ▶ Cohesive bond system: seals to itself only, eliminating unwanted adhesion risk
- ▶ Good adhesion to treated, pearlised and metallised OPP substrates
- ▶ Excellent anti-blocking and smooth unwind for high-speed converting
- ▶ Transparent, elastic and odour-free film after drying
- ▶ Ready-to-use, single-component system – simplified handling
- ▶ Food contact compliant: EU Reg. 10/2011 & FDA CFR 21 §175.105

TYPICAL APPLICATIONS

- ▶ Confectionery bars, chocolate and energy bar flow-wrap
- ▶ Ice cream and frozen novelty packaging on OPP monoweb
- ▶ Snack and biscuit wrapping where heat-sensitive products must be protected
- ▶ Laminated structures for bakery and dairy flow-pack
- ▶ High-speed wrapping lines requiring dwell-free, pressure-only sealing

COAT WEIGHT & APPLICATION

3.0–5.0 g/m² (monoweb) | 4.0–5.0 g/m² (lamineate)
Gravure & flexo application | Packaging: 215 kg drum / 25 kg container

COMPANY & ADDRESSES

POLYSIR SRL

LEGAL ADDRESS

Via Liberazione, 30
31020 – S. Vendemiano (TV) – Italy

HEADQUARTERS

Via Fratelli Rosselli, 3/20
31020 – Villorba (TV) – Italy

GLOBAL CONTACTS

IT ITALY **+39 0438 173 6498**

EG EGYPT **+20 10 0781 1991**

BY BELARUS **+375 29 6561 493**

PK PAKISTAN **+92 300 8277 659**

info@mychem.global

www.mychem.global

MYSEAL® PRODUCT LINE

● **HSL-05 Universal** – Standard flexible packaging structures

● **HSL-06** – PET-Alu / Alu foil against APET

● **HSL-08** – Opaque & matte, high moisture resistance

● **CSL35** – Water-based cold seal, pressure-activated

FULL ADHESIVE PORTFOLIO

● MyFLEX® Solvent-Free 2K Systems

● MyFLEX® Solvent-Based 2K Systems

● MyFLEX® ELM (Extremely Low Monomer)

● MyFLEX® Monomer-Free Systems

● MySEAL® Heat Seal Lacquers (HSL Series)

● Essential FILMEXA® Modular Systems

MANUFACTURING NETWORK

IT Italy – Technology & Specialty Production

TR Turkey – Regional Production & Logistics

TH Thailand – High-Volume Manufacturing

Technical data sheets, application guidelines and custom development inquiries are available through our technical team. All formulations remain proprietary.

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