



## Dow Packaging and Specialty Plastics

# The All-Rounder Sealant for Enhanced Efficiency, Mechanics and Optics

## DOWLEX™ 6001GC Sealant Resin

Sealant Solutions from Dow

Dow's sealants portfolio offers you an extensive line of resin solutions. Dow Sealants are designed to suit a broad range of sealing requirements and different production processes while providing a versatile choice to meet today's packaging needs.

The family of DOWLEX™ Polyethylene Resins has long been considered the market benchmark. With DOWLEX™ 6001GC, Dow raises the bar with an all-rounder sealant, delivering outstanding production efficiency with improved mechanics and shelf appeal over typically used resins.



### Pushing the Boundaries of Productivity and Versatility

DOWLEX™ 6001GC is the result of Dow's restless innovation in the quest to anticipate and address our customers' evolving market needs, pushing the boundaries of productivity and versatility.

DOWLEX™ 6001GC Polyethylene Resin is suitable for high-performance blown film applications and can be used alone or in blends with LDPE. With its unique, all-round combination of technical benefits, DOWLEX™ 6001GC provides a high level of confidence among converters, packers and brand owners alike.

The improved bubble stability of DOWLEX™ 6001GC makes it possible to achieve increased output.

DOWLEX™ 6001GC provides an excellent balance of optical and mechanical properties.

A unique feature of DOWLEX™ 6001GC in the market is the more stable coefficient of friction (COF), which facilitates a smooth conversion and packaging process.

Lamination film solutions based on DOWLEX™ 6001GC provide customers with reliable and highly efficient packaging solutions through enhanced additivation for stable COF and a tailored seal hermeticity window for packaging integrity.



### Typical Applications

DOWLEX™ 6001GC is suitable for a wide range of packaging applications including laminates for food pouches, frozen foods and dry detergents.

### Key Benefits of DOWLEX™ 6001GC Sealant Resin



**Excellent sealing**, securing packaging integrity



**Excellent film processability** for high production efficiency



**Improved bubble stability** for more cost-efficient conversion process



Enhanced additives for more **consistent COF**



**High abuse resistance** to protect contents during transport and handling



**Low seal and hot tack** initiation temperatures providing a broader packaging window



**Lower gel content** for lamination quality

## Typical Structures

Frozen Food – 45 µm (A/B/A – 1/2/1)



Sealant: DOWLEX™ 6001GC

Structure: ELITE™ 5940ST

Abuse: DOWLEX™ 6001GC

Versatility to provide both  
**sealing & abuse performance**  
(dart, tear and puncture)

Dry Detergents: 100 µm (A/B/C – 1/2/1) laminated to PET



Sealant: DOWLEX™ 6001GC

Structure: ELITE™ 5940ST

Abuse: XZ 89467.01

ADCOTE™ 301AE/350AE

Reverse printed oPET

Can deliver **heat seal**  
**strength with stable COF**

## Technical Zone

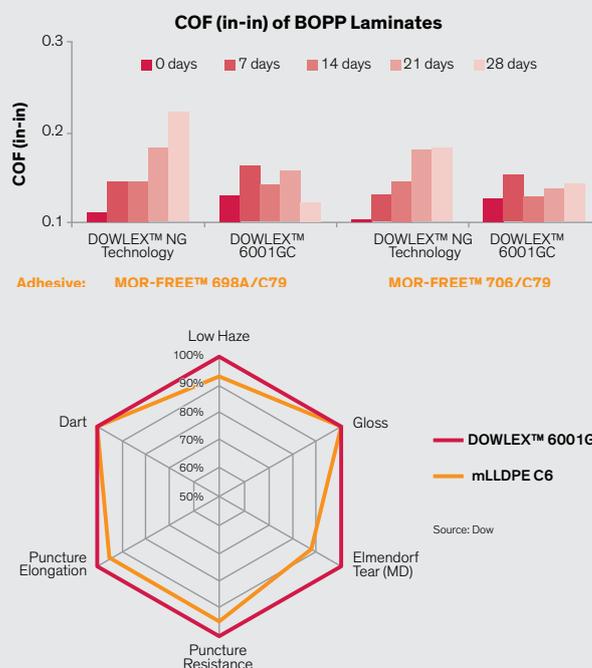
DOWLEX™ 6001GC, which can be used alone or in blends with LDPE, has a 0.7 g/10 minutes Melt Flow Index and a density of 0.917 g/cm<sup>3</sup>, with an additive package for easy processing.

### Consistent COF throughout Packaging Process

Laminates made with DOWLEX™ 6001GC have a more consistent COF over time and throughout the different steps of the packaging process, regardless of the type of adhesives used. This consistency is also maintained at higher temperatures, important for storage during warm summer months when temperatures in a warehouse can exceed 40°C.

### High Output and Ease of Processability

DOWLEX™ 6001GC outperforms competitive mLL materials in the marketplace, offering improved optics and mechanical performance – such as tear and puncture resistance – while delivering higher output due to its remarkable bubble stability combined with lower melt pressures. Smooth conversion and packaging process is ensured through the enhanced COF stability and the improved hot tack performance.



Contact a Dow representative today to learn more.

For more information please visit <http://www.dow.com/packaging>

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