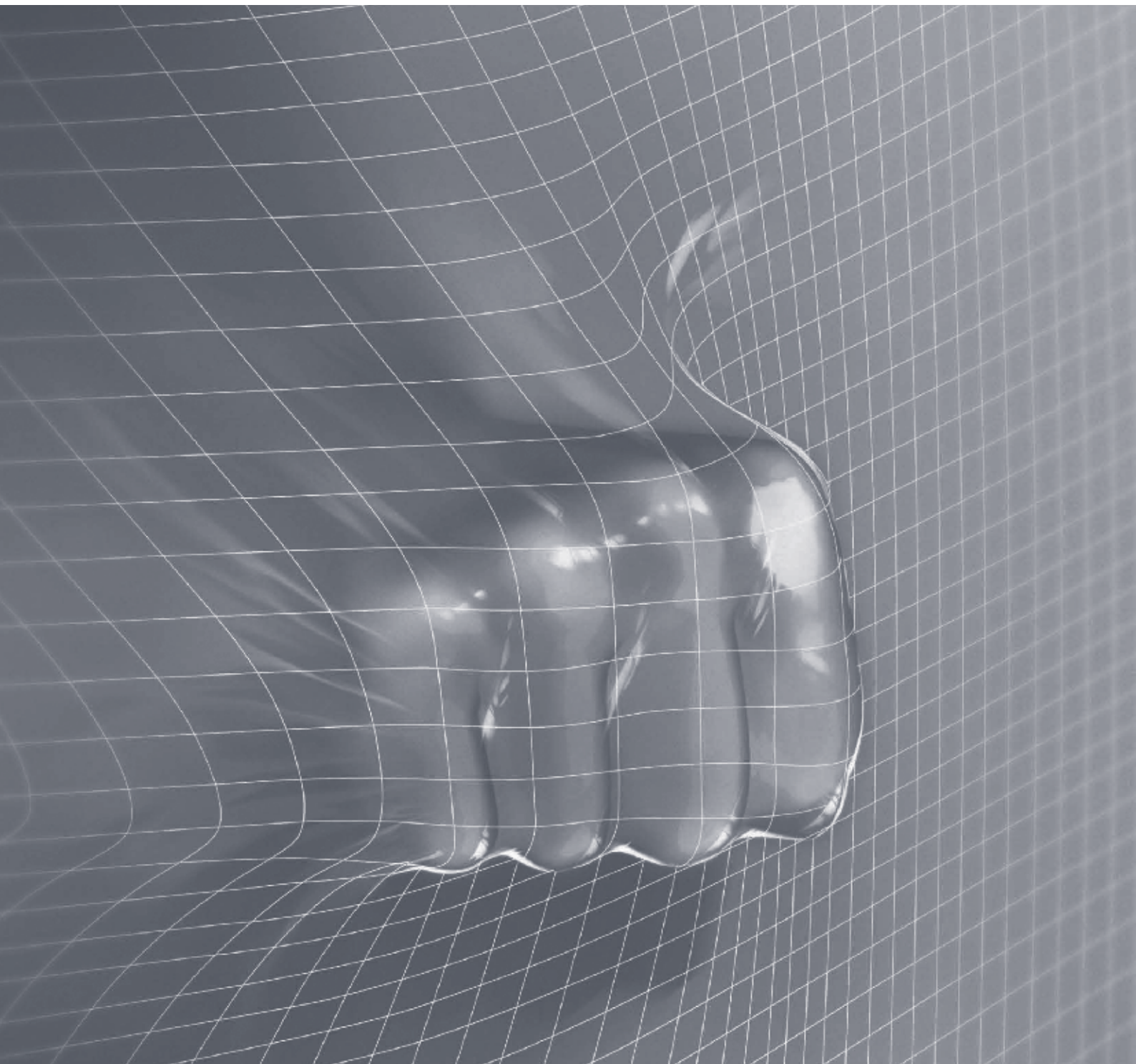




Alkamax[®]



SHEER PERFORMANCE

ALKAMAX[®] mLLDPE FROM QENOS



SHEER PERFORMANCE

Less is more when it comes to the latest technology in plastic films for flexible packaging applications. With its purpose designed, leading edge polymer architecture Alkamax® mLLDPE delivers a 20% thinner film than standard LLDPE resin with excellent clarity and lower overall cost. Alkamax® mLLDPE also outperforms standard LLD resin with improved haze, puncture resistance, toughness, tear and creep resistance.

A SUPERIOR BALANCE OF TOUGHNESS AND STIFFNESS

The new Alkamax® mLLDPE range combines excellent impact strength with greater stiffness to deliver improved web handling in converting operations and packaging lines. This in turn allows downgauging and cost savings without a loss of strength or packaging integrity. Alkamax® mLLDPE also provides excellent creep resistance, enabling it to be used in Heavy Duty Sack (HDS) applications to hold greater loads for a longer duration.



FIND THE GRADE YOU'RE LOOKING FOR

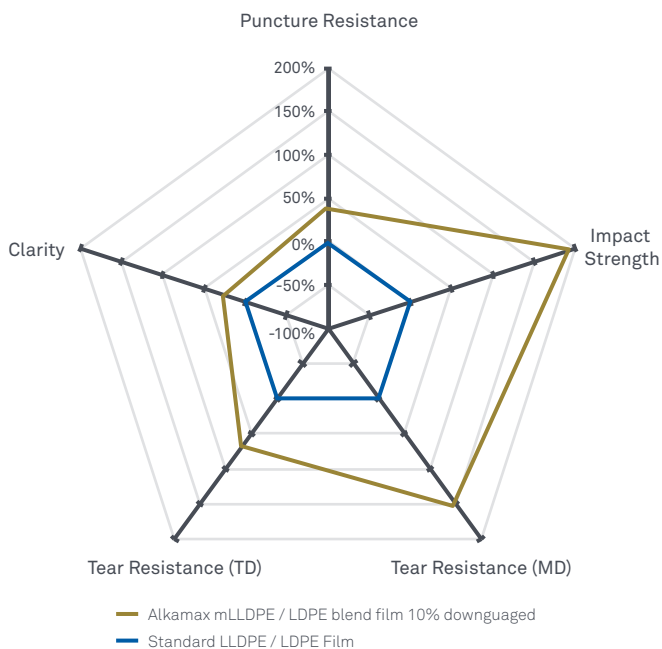
The versatile range of grades in the Alkamax® mLLDPE series makes it the right choice for a wider range of flexible packaging applications including:

- Laminates
- Frozen food
- Industrial packaging
- Heavy duty sacks
- Stretch wrap
- Mulch and silage
- Form, fill and seal
- Ice bags
- Produce

With extensive flexible packaging applications knowledge, a team of PE resin development specialists plus commercial and laboratory scale film lines, Qenos has the expertise to develop a range of products and film formulation solutions that meet the requirements of flexible packaging customers today and into the future.

THE QENOS FILM GRADE RANGE GOES FROM STRENGTH TO STRENGTH

The new Alkamax® mLLDPE range complements the established range of Alkathene® LDPE, Alkatuff® LLDPE and Alkatane® HDPE film grades. Alkamax® mLLDPE is regularly blended and coextruded in combination with other grades to improve film properties across a wide range of applications.

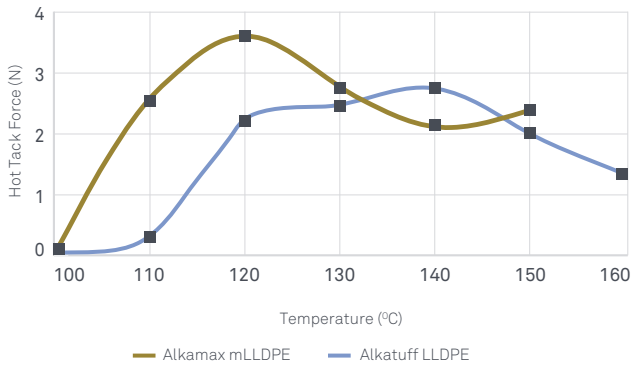


BETTER SEALING FOR BETTER PERFORMANCE

Compared to conventional LLDPE, Alkamax® mLLDPE seals at lower temperatures and over a wider temperature range. The broad sealing window and high seal strength deliver improved 'hot tack', package integrity and reduced risk of sack bursting, while maintaining high throughput in sealing operations.



Hot Tack Force vs. Temperature



DESIGNED LOCALLY FOR LOCAL NEEDS

The Qenos range of Alkamax® mLLDPE grades has been developed in partnership with Australian film manufacturers to meet the needs of the Australian flexible packaging industry. The new Alkamax® ML1710SC grade for high performance blown stretch films is just one example of the science and collaboration behind Alkamax® mLLDPE resin.

READY WHEN YOU ARE

A superior local supply chain and logistics base allows Qenos to serve the Australian market with high efficiency and respond quickly to variations in demand. We offer a range of pack forms that can be delivered rapidly anywhere in Australia ex-stock, while provision for Vendor Managed Inventory systems give customers maximum efficiency and hassle free bulk delivery.

THE NEW STANDARD IN PROCESSABILITY

Alkamax® mLLDPE is manufactured using the latest third generation catalyst technology that delivers exceptional mechanical properties combined with excellent processability. Alkamax® mLLDPE resins can be extruded more cost effectively without excessive power requirements and without developing high extrusion pressures. In addition, all Alkamax® mLLDPE grades are specifically formulated with process aid to minimise melt fracture, eliminating the need for masterbatch addition.

Alkamax® mLLDPE Film Grades				Additives							Applications								
Grade	Melt Index* (g/10 min @190°C, 2.16kg)	Density# (g/cm³)	Applications	Antiblock	Slip¹	Processing aid	Heavy Duty Bags	Stretch	Produce	Carry Bags	Bread	Agricultural Film	General Purpose	Ice Bags	Lamination	FFS	Freezer Film	Overwrap	Liners
ML1810PN	1.0	0.918	Heavy duty bags, industrial and agricultural films, and form, fill and seal applications and ice bags where outstanding toughness, sealing and hot tack properties are desirable or for downgauging of existing film structures.			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ML1810PS	1.0	0.918	Heavy duty bags, industrial and form, fill and seal applications and ice bags where outstanding toughness, sealing, hot tack properties and high slip are desirable or for downgauging of existing film structures.	✓	H	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
ML2610PN	1.0	0.926	Heavy duty bags, lamination, industrial and form, fill and seal applications where outstanding stiffness, toughness, optical and sealing properties are desirable or for downgauging of existing film structures.			✓	✓		✓	✓	✓		✓		✓	✓	✓		✓
ML1710SC	1.0	0.917	Stretch cling films (with addition of appropriate cling additive) and other film applications where outstanding toughness, optical and sealing properties are desirable or for downgauging of existing film structures.			✓		✓				✓							

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