

Technical Data Sheet

CAPILENE® QL 55 H

Polypropylene Random Copolymer



Product Description

CAPILENE® QL 55 H is a Phthalate free polypropylene random copolymer with a high ethylene content, developed for sealing layers in coextruded Cast and Bioriented metalized films.

Features:

- High Clarity
- Low SIT
- Good impact

Uses:

- Sealing layer of metalized BOPP
- Coextruded Cast films

Processing Methods:

- Cast film extrusion
- BOPP

Properties		Method	Typical Value *	Unit
Physical				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	5.0	g/10 min
Mechanical				
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	20	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	16	%
Flexural Modulus	(5 mm/min)	ISO 178	600	MPa
Izod Impact Strength; notched	(+23°C)	ISO 180	7.0	kJ/m ²
Thermal				
Melting temp	(10°C/min)	ASTM D 3417	137	°C
Vicat Softening Temperature	(10 N)	ISO 306	120	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	60	°C
Seal Initiation Temperature	(100g/cm)	Internal Method	117	°C
Cast Film properties **				
Dart Drop Impact	(F ₅₀)	ISO 7765-A	400	gram
Tensile Stress at Yield	(MD/TD)	ISO 527-3	19/18	MPa
Tensile Strain at Break	(MD/TD)	ISO 527-3	600/500	%
Haze		ASTM D1003	1.0	%

* Typical values; are not to be construed as specifications.

** Measured on 50 µm cast film, melt temperature ~200-230°C.

Carmel Olefins Ltd. POB 1468 Haifa 31014 Israel
 Website: <http://www.Carmel-Olefins.co.il>
 Email: techserv@caol.co.il

Date: March 2026

The information contained herein is to our knowledge accurate and reliable as of the date of publication. Carmel Olefins recommends its customers to review both the manufacturing processes and applications of Carmel Olefins products to ensure, that the products are not used for purposes they are not intended or tested for. Carmel Olefins extends no warranties and makes no representations as to the accuracy or completeness of the information contained herein and assumes no responsibility regarding the consequences of its use or for any printing errors. Our products are intended for sale to industrial and commercial customers. Data in this document relates only to the specific product and may not be valid for any combination of this product with other materials. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is responsible for its employees' safety and the appropriate, safe and legal use, processing, handling and disposing of our products and packaging. Carmel Olefins shall not be liable for any consequential, incidental or indirect damages resulting from this statement or its use.



Health, Quality, Regulations and Safety

This product is not classified as dangerous substance and intended for industrial use, to produce plastic articles. Material safety data sheets, international standards certificates and other regulatory documents are available on our website. Carmel Olefins products have not been tested and therefore not validated for use in pharmaceutical/medical applications, and their suitability for these uses cannot be guaranteed. It is the customer's responsibility to test and approve their technical and regulatory suitability in order to satisfy themselves as to the particular purpose and application(s).

