

Experimental Technical Data Sheet
CAPILENE® QL 55 H
 Polypropylene Random Copolymer



Product Description

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

The grade is being in development status, this is a preliminary data sheet and subjected to changes

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.

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