

Technical Data Sheet

CAPILENE® QG 71 H

Polypropylene Random Copolymer



Product Description

CAPILENE® QG 71 H is a Phthalate free clarified polypropylene random copolymer with a high ethylene content, developed for blown film, sheet extrusion, thermoforming and Injection moulding

Features:

- High Clarity
- Low SIT
- High impact
- Good Flex-Impact balance

Uses:

- High Clarity films

Processing Methods:

- Blown film
- Sheet extrusion
- Thermoforming
- Injection moulding

Properties		Method	Typical Value *	Unit
Physical				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	3.0	g/10 min
Mechanical				
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	21	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	16	%
Tensile Stress at Break	(50 mm/min)	ISO 527-2	22	MPa
Tensile Strain at Break	(50 mm/min)	ISO 527-2	550	%
Flexural Modulus	(5 mm/min)	ISO 178	700	MPa
Izod Impact Strength; notched	(23°C)	ISO 180	30	kJ/m ²
Izod Impact Strength; notched	(0°C)	ISO 180	8.5	kJ/m ²
Thermal				
Melting temp	(10°C/min)	ASTM D 3417	143	°C
Vicat Softening Temperature	(10 N)	ISO 306	121	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	66	°C
Optical properties				
Haze	(1 mm plaque)	ASTM D1003	15	%
Haze **	(50 microns)	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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