



## Experimental Technical Data Sheet

# CAPILENE® QG 71 H

### Polypropylene Random Copolymer



#### Product Description

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

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

**Features:**

- High Clarity
- Low SIT
- High impact

**Uses:**

- High Clarity films

**Processing Methods:**

- Blown film
- Sheet extrusion
- Thermoforming

Properties		Method	Typical Value *	Unit
<b>Physical</b>				
<b>Melt Flow Rate</b>	(230°C/2.16 kg)	ISO 1133	3.0	g/10 min
<b>Mechanical</b>				
<b>Tensile Stress at Yield</b>	(50 mm/min)	ISO 527-2	21	MPa
<b>Tensile Strain at Yield</b>	(50 mm/min)	ISO 527-2	16	%
<b>Tensile Stress at Break</b>	(50 mm/min)	ISO 527-2	22	MPa
<b>Tensile Strain at Break</b>	(50 mm/min)	ISO 527-2	550	%
<b>Flexural Modulus</b>	(5 mm/min)	ISO 178	750	MPa
<b>Izod Impact Strength; notched</b>	(23°C)	ISO 180	28	kJ/m <sup>2</sup>
<b>Izod Impact Strength; notched</b>	(0°C)	ISO 180	8.5	kJ/m <sup>2</sup>
<b>Thermal</b>				
<b>Melting temp</b>	(10°C/min)	ASTM D 3417	143	°C
<b>Vicat Softening Temperature</b>	(10 N)	ISO 306	121	°C
<b>Heat Deflection Temperature</b>	(0.45 MPa)	ISO 75-2	66	°C
<b>Optical properties</b>				
<b>Haze</b>	(1 mm plaque)	ASTM D1003	15	%
<b>Haze **</b>	(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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