

Technical Data Sheet

CAPILENE[®] QW 73 AV

Polypropylene Random Copolymer

Description

CAPILENE[®] QW 73 AV is a clarified, antistatic, controlled rheology random copolymer with very high melt flow rate for injection molding. It exhibits good balance of stiffness and impact at ambient temperature combined with good antistatic properties, good organoleptic properties, low warpage, excellent transparency and gloss.

Applications

CAPILENE[®] QW 73 AV is suitable for high-speed injection molding of transparent items with thin walls and very long flow length. Typical applications are thin walled cups, containers, boxes and houseware products.

Quality, Environment and Safety Regulations

Material Safety Data Sheets and Product Safety declarations are available on our web site <http://www.caol.co.il>

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230°C/2.16Kg)	ASTM D 1238	70	g/10min
Mechanical				
Tensile Stress at Yield	(50mm/min)	ASTM D 638	25	MPa
Tensile Strain at Yield	(50mm/min)	ASTM D 638	14	%
Flexural Modulus		ASTM D 790	1050	MPa
Izod Impact Strength, notched	(+23°C)	ASTM D 256	40	J/m
Thermal				
Vicat Softening Temperature	(10N)	ASTM D 1525	130	°C
Heat Deflection Temperature	(0.45MPa)	ASTM D 648	82	°C
Optical				
Haze	(1.0mm plaque)	ASTM D 1003	10	%

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

Following molding parameters should be used as guidelines:
Melt temperature 210 – 260 °C & Mold temperature 30 – 40 °C

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