

Technical Data Sheet
CAPILENE[®] QU 73 AV
Polypropylene Random Copolymer
Description

CAPILENE[®] QU 73 AV is a clarified, antistatic, controlled rheology random copolymer with high melt flow rate for injection molding. It exhibits good flowability combined with good antistatic properties, good organoleptic properties, low warpage, good transparency and gloss.

Applications

CAPILENE[®] QU 73 AV is suitable for injection molding of transparent very thin walled items and complex geometry, household articles and clear packaging.

Quality, Environment and Safety Regulations

Material Safety Data Sheet 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)	ISO 1133	38	g/10min
Mechanical				
Tensile Stress at Yield	(50mm/min)	ISO 527-2	25	MPa
Tensile Strain at Yield	(50mm/min)	ISO 527-2	14	%
Flexural Modulus	(5mm/min)	ISO 178	1050	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	4.5	KJ/m ²
Thermal				
Vicat Softening Temperature	(10N)	ISO 306	130	°C
Heat Deflection Temperature	(0.45MPa)	ISO 75-2	71	°C
Optical				
Haze	(1.6mm plaque)	ASTM D 1003	17	%
Haze	(1.0mm plaque)	ASTM D 1003	8	%

**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