

## Technical Data Sheet

# CAPILENE® U 77 A

## Polypropylene Homopolymer

### Description

**CAPILENE® U 77 A** is a high melt flow rate polypropylene homopolymer designed for injection molding of products with long flow length. It is specially formulated with antistatic and nucleating additives, allowing fast cycle due to high de-molding temperature and reduced cooling time. It exhibits high stiffness combined with high flowability and good contact clarity.

### Applications

**CAPILENE® U 77 A** is designed for multi-cavity injection molding, thin walled packaging items, products with long flow length, household articles and toys. In comparison to **CAPILENE® U 77 AV** it offers a better choice for food packaging containers.

### 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
<b>Physical</b>				
Melt Flow Rate (230°C/2.16Kg)	(230°C/2.16Kg)	ASTM D 1238	35	g/10min
<b>Mechanical</b>				
Tensile Stress at Yield	(50mm/min)	ASTM D 638	36	MPa
Tensile Strain at Yield	(50mm/min)	ASTM D 638	11	%
Flexural Modulus		ASTM D 790	1800	MPa
Izod Impact Strength, notched	(+23°C)	ASTM D 256	25	J/m
<b>Thermal</b>				
Vicat Softening Temperature	(10N)	ASTM D 1525	155	°C
Heat Deflection Temperature	(0.45MPa)	ASTM D 648	110	°C

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

Fax: 972-4-8466958  
 Email: [techserv@caol.co.il](mailto:techserv@caol.co.il) Web: <http://www.caol.co.il>  
 Carmel Olefins Ltd. POB 1468 Haifa 31014 Israel

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