



# MACROMELT® OM 678

The Macromelt® line of high performance thermoplastic polyamides is specially designed to meet all your molding process requirements. These products provide good adhesion to various substrates, require only low processing pressure due to their low viscosity, provide an excellent moisture and environmental seal, produce no toxic fumes and provide a good balance of low and high temperature performance.

## Typical Properties:

Color	Black
Hardness	88 Shore A
Performance Temperature	-40°C to +140°C (-40°F to +284°F)
Softening Point	187 ± 5 °C ( 369 ± 9°F)
Molding Temperature	210 to 240°C ( 410 to 450°F)
Viscosity at 210°C (410°F)	3400 cP
Glass Transition	-50°C ( -58°F)
Elongation at Rupture	400 %
Thermal Conductivity	0.15 W/(mC)
Density	0.98 g/cm <sup>3</sup>
Dielectric Strength	> 20 kV/mm
Volume Resistivity	1.9 x 10 <sup>12</sup>
Flammability Rating	UL 94 V-0

## Packaging:

**Macromelt OM 678** is supplied in round pellet form. It is supplied in multi-wall, foil-lined bags / 44 lbs. net.

## Handling and Storage:

**Macromelt OM 678** resin will pick up moisture from the air. Material from opened bags must be transferred to an air tight container. Shelf life is two years, when properly stored in a cool, dry location.

## Safety Precautions:

No health hazards are expected when **Macromelt OM 678** is in solid form. However, once melted it is a hot molten plastic that can cause severe burns. Appropriate safety precautions should be used, including insulated hand protection and safety goggles (*see material safety data sheet for more information*). If the molten plastic comes in contact with your skin, cool the affected area immediately with cold water. Do not try to remove the plastic from the skin. Seek medical attention immediately.

Information contained in this technical literature is believed to be accurate and offered in good faith for the benefit of the consumer. The company, however cannot assume any liability or risk involved in the use of it's chemical products since the conditions of use are beyond our control. Statements concerning the possible use of our products are not intended as recommendations to infringe on any patent. These products are for industrial use only.

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