



## Technical Data Sheet

### EGYPELENE™ MD400R

Polypropylene, Homopolymer

### Product Description

EGYPELENE™ MD400R is a polypropylene Homo-Polymer suitable for injection molding applications. It exhibits a high fluidity combined with good stiffness. Produced with narrow distributed molecular weight polypropylene resins.

### Product Characteristics

**Processing Methods**

Injection Molding.

**Features**

Reactor grade, Good processability and Good color stability.

**Typical Customer Applications**

Injection Molding, Furniture, Houseware.

Typical Properties	Normal Value	Units	Test Methods
<b>Physical</b>			
Melt flow	25	g/10 min	ISO 1133
Density	0.9	g/cc	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1300	Mpa	ISO 178
Tensile Stress at Break, (23 °C, 50mm/min)	20	Mpa	ISO 527
Tensile Stress at Yield, (23 °C, 50mm/min)	32	Mpa	ISO 527
Tensile Strain at Yield, (23 °C, 50mm/min)	11	%	ISO 527
<b>Thermal</b>			
Vicat Softening Temperature	153	°C	ISO 306
Notched izod impact strength (23 °C, Type 1, Notch A)	3.5	KJ/m	ISO 180

**Processing Conditions:**

Typical processing conditions for MD400R:

The average temperature range may be kept at 210 - 250°C.

**Storage and Handling:**

Polypropylene resin should be stored in a manner to prevent direct exposure to sunlight and/or heat. The storage area should also be dry and preferably not exceed 50°C. EPPC would not give a warranty for bad storage conditions which may lead to quality deterioration such as discoloration, change in smell, and inadequate product performance.

**Regulatory Information**

Egyptian Propylene & Polypropylene Company© certify that the above product is in compliance with the USA FDA code of Federal Regulations (CFR 21) section 177.1520 (C) 1.1 and is suitable for use in articles that contact food also is in compliance with the EU Regulation 10/2011 as amended.

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