

# ExxonMobil™ PP1064L1

Polypropylene Homopolymer

ExxonMobil Chemical

## Message:

A homopolymer resin designed for general use. It is suitable for color master carriers and other composite modification occasions, as well as the molding of lids, cups, containers and other consumer goods.

| General Information                       |                                  |                   |              |
|-------------------------------------------|----------------------------------|-------------------|--------------|
| Uses                                      | Cup                              |                   |              |
|                                           | Composite                        |                   |              |
|                                           | Cover                            |                   |              |
|                                           | Shield                           |                   |              |
|                                           | Container                        |                   |              |
|                                           | Shell                            |                   |              |
|                                           | Consumer goods application field |                   |              |
| Appearance                                | Natural color                    |                   |              |
| Forms                                     | Particle                         |                   |              |
| Processing Method                         | Composite                        |                   |              |
|                                           | Injection molding                |                   |              |
| Physical                                  | Nominal Value                    | Unit              | Test Method  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 17                               | g/10 min          | ISO 1133     |
| Hardness                                  | Nominal Value                    | Unit              | Test Method  |
| Durometer Hardness (Shore D)              | 70                               |                   | ISO 868      |
| Mechanical                                | Nominal Value                    | Unit              | Test Method  |
| Tensile Modulus                           | 1620                             | MPa               | ISO 527-2/1  |
| Tensile Stress (Yield)                    | 33.4                             | MPa               | ISO 527-2/50 |
| Tensile Strain (Yield)                    | 8.5                              | %                 | ISO 527-2/50 |
| Flexural Modulus                          | 1350                             | MPa               | ISO 178      |
| Impact                                    | Nominal Value                    | Unit              | Test Method  |
| Charpy Notched Impact Strength (23°C)     | 2.8                              | kJ/m <sup>2</sup> | ISO 179/1eA  |
| Notched Izod Impact (23°C)                | 2.6                              | kJ/m <sup>2</sup> | ISO 180/1A   |
| Thermal                                   | Nominal Value                    | Unit              | Test Method  |
| Heat Deflection Temperature               |                                  |                   |              |
| 0.45 MPa, not annealed                    | 85.7                             | °C                | ISO 75-2/B   |
| 1.8 MPa, not annealed                     | 52.6                             | °C                | ISO 75-2/A   |
| Vicat Softening Temperature               | 152                              | °C                | ISO 306/A50  |
| Melting Temperature (DSC)                 | 160                              | °C                | ISO 3146     |
| Peak Crystallization Temperature (DSC)    | 114                              | °C                | ISO 3146     |

#### Legal statement

本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用有关潜在食品接触应用合规信息(例如:FDA,EU,HPFB),请与埃克森美孚化工客户服务代表联系.

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