

## Developmental DR7032.06

### Developmental Random Copolymer Resin

#### Description:

DR7032.06 Developmental Polypropylene Resin is a random copolymer developed for thin wall injection moulding applications. DR7032.06 Developmental Resin is characterized by good balance of stiffness and impact properties, optical properties and excellent processability.

#### Applications:

- Thin wall injection moulding
- Housewares
- Media packaging
- Lids and Caps

#### Process:

Injection Moulding

#### Regulatory Information:

DR7032.06 Developmental Polypropylene Resin should comply with:

- European Commission Regulation ( EU ) 10/2011
- U.S. FDA 21 CFR 177.1520(c)3.1<sup>a</sup> .

The appropriate regulations should be consulted for more detailed information.

| Physical                           | Nominal Value<br>(English) | Nominal Value<br>(SI)   | Test Method |
|------------------------------------|----------------------------|-------------------------|-------------|
| Density                            | 0.900 g/cm <sup>3</sup>    | 0.900 g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (230°C/2.16kg) | 100 g/10 min               | 100 g/10 min            | ISO 1133    |

| Mechanical                          | Nominal Value<br>(English) | Nominal Value<br>(SI) | Test Method |
|-------------------------------------|----------------------------|-----------------------|-------------|
| Flexural Modulus                    | 152250 psi                 | 1050 MPa              | ISO 178     |
| Charpy Notched Impact Strength 23°C | 2.1 ft·lb/in <sup>2</sup>  | 4.5 kJ/m <sup>2</sup> | ISO 179/1eA |

| Thermal         | Nominal Value<br>(English) | Nominal Value<br>(SI) | Test Method |
|-----------------|----------------------------|-----------------------|-------------|
| HDT B (0,45MPa) | 167 F                      | 75°C                  | ISO 75 B    |

| Optical                              | Nominal Value<br>(English) | Nominal Value<br>(SI) | Test Method |
|--------------------------------------|----------------------------|-----------------------|-------------|
| Haze (1mm injection moulded plaques) | 10%                        | 10%                   | ASTM D1003  |

