# INEOS PP 200-CA13

Polypropylene Random Copolymer

INEOS Olefins & Polymers Europe

## Message:

Polypropylene Random Copolymer for Injection moulding
Benefits & Features
200-CA13 is a specially modified highly transparent polypropylene random copolymer with medium melt flow intended for injection moulding and injection stretch blow moulding. 200-CA13 is specially formulated for high speed injection moulding and contains nucleating and mould release additives allowing high de-moulding temperature as well as reduced cooling time.
Products moulded from 200-CA13 have excellent transparency, very good organoleptical properties, good balance of stiffness and impact strength in ambient temperature, low blooming and good de-moulding properties.
Applications
200-CA13 is designed for transparent injection moulded houseware, closures and food packaging needing good impact strength and excellent organoleptic properties. 200-CA13 is also suitable for injection stretch blow moulding (ISBM).
Examples of products successfully injection moulded from 200-CA13 are:
Houseware containers
Appliances requiring good transparency
Sweet boxes
Lids and pails
Closures
Bottles

| General Information | |
|---|---|
| Additive | Mold Release |
| | Nucleating Agent |
| Features | Food Contact Acceptable |
| | Good Impact Resistance |
| | Good Mold Release |
| | Good Organoleptic Properties |
| | High Clarity |
| | Low Blooming |
| | Medium Flow |
| | Nucleated |
| | Random Copolymer |
| Uses | Appliances |
| | Bottles |
| | Closures |
| | Containers |
| | Food Packaging |
| | Household Goods |
| | Lids |
| | Pails |

| | |
|---|---|
| RoHS Compliance | Contact Manufacturer |
| Appearance | Clear/Transparent |
| Forms | Pellets |
| Processing Method | Injection Molding<br>Injection Stretch Blow Molding |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 13 | g/10 min | ISO 1133 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress (Yield, 23°C, Injection Molded) | 28.0 | MPa | ISO 527-2 |
| Flexural Modulus (23°C, Injection Molded) | 1100 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact Strength | | | ISO 180/A |
| 0°C, Injection Molded | 3.3 | $kJ/m^2$ | |
| 23°C, Injection Molded | 6.0 | $kJ/m^2$ | |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 90.0 | °C | ISO 75-2/B |
| Vicat Softening Temperature | 130 | °C | ISO 306/A50 |
| Peak Crystallization Temperature (DSC) | 119 | °C | Internal Method |
| **Optical** | **Nominal Value** | **Unit** | **Test Method** |
| Haze | | | ASTM D1003 |
| 1000 µm | 15 | % | |
| 2000 µm | 30 | % | |



## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

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