

Formolene® 2535A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2535A is a medium impact copolymer of polypropylene designed for such applications as dairy packaging, deli containers and stadium cups. It is characterized by easy mold flow, excellent physical property balance and finished product dimensional stability.

Formolene® 2535A meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact

| General Information | | | |
|--|--|-------------------|-------------|
| UL YellowCard | E205741-228209 | | |
| Features | Food Contact Acceptable Good Dimensional Stability Good Flow Impact Copolymer Medium Impact Resistance | | |
| Uses | Cups Food Packaging Thin-walled Parts | | |
| Agency Ratings | EC 1907/2006 (REACH) FDA 21 CFR 177.1520 | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 35 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale, Injection Molded) | 106 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield, Injection Molded) | 25.5 | MPa | ASTM D638 |
| Tensile Elongation ² (Yield, Injection Molded) | 7.0 | % | ASTM D638 |
| Flexural Modulus - 1% Secant ³ (Injection Molded) | 1000 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| 0°C, Injection Molded | 80 | J/m | |

| 23°C, Injection Molded | 110 | J/m | |
|--|---------------|------|-------------|
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded) | 88.0 | °C | ASTM D648 |

NOTE

- | | |
|----|------------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 1.3 mm/min |

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