



Formolene® 2550A

Formosa Plastics Corporation, U.S.A. - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

General Information

Product Description

Formolene® 2550A is a medium impact, high flow copolymer of polypropylene designed for such applications as housewares, containers and other rigid packaging. It is characterized by its easy mold flow, excellent physical property balance and finished product dimensional stability.

Formolene® 2550A meets the 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.

This material is free of animal-derived content.

General

| | | | |
|-------------------|---|---|--------------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • North America | | |
| Features | • Food Contact Acceptable • Good Dimensional Stability • Good Moldability | • High Flow • Impact Copolymer • Medium Impact Resistance | • No Animal Derived Components |
| Uses | • Containers • Household Goods | • Rigid Packaging • Thin-walled Parts | |
| Agency Ratings | • EC 1907/2006 (REACH) | • FDA 21 CFR 177.1520 | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 0.900 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (230°C/2.16 kg) | 50 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield, Injection Molded) | 3190 | psi | ASTM D638 |
| Tensile Elongation ² (Yield, Injection Molded) | 5.0 | % | ASTM D638 |
| Flexural Modulus - 1% Secant ³ (Injection Molded) | 145000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F, Injection Molded) | 1.7 | ft-lb/in | ASTM D256A |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale, Injection Molded) | 95 | | ASTM D785 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded | 199 | °F | ASTM D648 |

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.051 in/min