



Formosa Plastics®

The Reliable Source for Polymer Solutions

Formolene® Polypropylene Packaging Components | Quality, Value and Performance

**IMPROVED HIGH STIFFNESS
HOMOPOLYMER FOR
THERMOFORMED
PACKAGING COMPONENTS**

Formolene® 5143S



Delivering Value

Enhanced quality, improved performance and part consistency over both extrusion and forming phases of thermoformed components.

Reduction of up to 14% weight due to increased stiffness

- Maintain container performance in filling and sealing
- Maintain container impact performance to minimize breakage
- Consistent side wall thickness for optimal printing
- Stable container performance in hot fill conditions

**Cycle time reduction up to 6%
from optimized additive formulations**

- 5143S's fast nucleating time improves both extrusion and forming speeds



Defining Performance

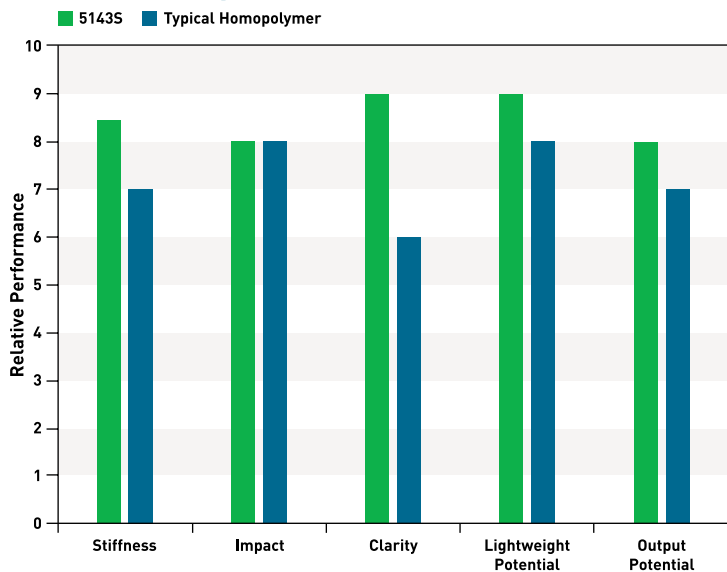
Formosa's latest generation of thermoforming materials offer enhanced shelf appeal, improved container performance and the opportunity for better economics.

- Low haze allows clear content display
- Increased stiffness permits down gauging without loss in top loading
- Dimensional stability to ensure perfect fit of components
- Clean organoleptics performance
- FDA "A" compliance
- Reduced material use

Formolene® 5143S

Formolene® Rigid Packaging Components

5143S Comparison – Finished Parts



Transition to Formolene® 5143S

Technical Service — Our teams ensure you get the products you need and the consistent quality and run performance you need — every time.

Customer Service & Support — We're determined to help you find ways to improve your business by optimizing performance, improving consistency and helping you to get the most out of our products.

Delivery — Our private rail fleet is the largest in the industry. You can monitor the status of your orders and the exact locations of your railcar deliveries online — 24/7/365.

If you need more, just ask. After all, we're your partner.

5143S Comparison – Physical Properties

GRADES	5143S	TYPICAL HOMOPOLYMER
MELT FLOW RATE, G/10 MIN @ 230°C	3	3
TENSILE STRENGTH AT YIELD (50 MM/MIN), PSI	5,750	5,475
IZOD IMPACT STRENGTH @ 73°F, FT-LB/IN	0.8	0.8
FLEXURAL MODULUS (1.3 MM/MIN, 1% SECANT), KPSI	294	230
HDT @ 66 PSI, °C	116	116
PLAQUE HAZE % (FORMED PART)	6	9

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MANUFACTURING AND FITNESS FOR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for claims arising out of breach of warranty, negligence, strict liability, or otherwise is limited to the purchase price of the material. Statements concerning the use of the products or formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

©2011 Formosa Plastics Corporation, U.S.A.



Formosa Plastics®

The Reliable Source for Polymer Solutions

Formosa Plastics Corporation, U.S.A.

9 Peach Tree Hill Road
Livingston, NJ 07039-5702

P 888.372.8723

W www.fpcusa.com