

H28E-00 Polypropylene Homopolymer

H28E-00 is an antistated, controlled rheology polypropylene homopolymer designed for injection molding applications that require improved impact characteristics. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.9086 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	28 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	4,990 psi	34.4 MPa	
@ Break	2,190 psi	15.1 MPa	
Elongation (2 in/min)			D638
@ Yield	11.5 %	11.5 %	
@ Break	291 %	291 %	
Flexural Modulus			D790A
1% Secant	194,700 psi	1,342 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.55 ft-lbf/in	2.91 kJ/m²	
Hardness			D2240
Rockwell R	95.7	95.7	
Deflection Temperature			D648
@ 66 psi (455 kPa)	197 F	91.8 C	
Gloss at 60 ° angle	91.3	91.3	D2457

¹ Typical properties will vary and are not to be used for specifications.

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or call + 1-800-527-5419.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Material Safety Data Sheet (MSDS) contains the available product health and safety information for this material and can be found at www.ineos-op.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS O&P is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

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INEOS
Olefins & Polymers USA



MARVAL INDUSTRIES INC.
THERMOPLASTIC POLYMERS, CONCENTRATES AND COMPOUNDS

315 HOYT AVENUE • MAMARONECK, N.Y. 10543 • TEL. 914-381-2400 • FAX 914-381-2259 • www.marvalindustries.com

PRODUCT DATA SHEET

Product Code:	570424C
Description:	Black Polypropylene Concentrate
Carrier Resin:	Polypropylene
Pigment Loading:	30% Carbon Black
Suggested Letdown:	4:100
FDA Compliance:	TITLE 21 CFR 170-199 TITLE 21 CFR 178.3297

The properties listed above are provided for informational purposes only. They do not imply a warranty of performance. The Customer is responsible for determining if the material is suitable for the application in the molded or extruded form.

08-2016

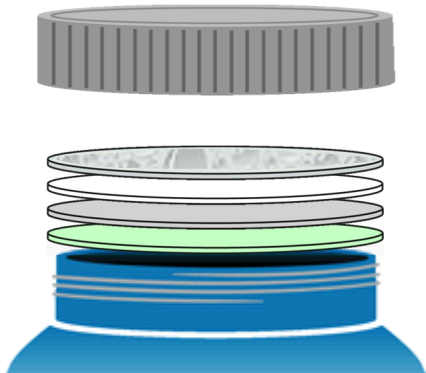
PRODUCT DATA SHEET

HS035/20F

- HS035/20F is a one-piece, polystyrene backed, induction heat seal with an ethylene vinyl acetate based sealant layer that gives a tamper evident bond to Polyethylene (PE), Polypropylene (PP), Polyester (PET), Polystyrene (PS), Vinyl (PVC) and glass containers.
- Available with standard or custom print.

Typical Product Attributes

Construction

		SI (µm)	US (Mils)
Polystyrene Foam		508,0	20.0
White Paper		71,1	2.8
Aluminum Foil		8,9	0.35
Heat Seal		38,1-76,2	1.5-3.0
Thickness Tolerance		± 10%	± 10%
Minimum Width		25,4 mm	1.0 in
Width Tolerance		± 1,6 mm	± 0.0625 in

Properties

Oxygen Transmission (O ₂ TR)	Essentially Zero
Water Vapor Transmission (WVTR)	Essentially Zero

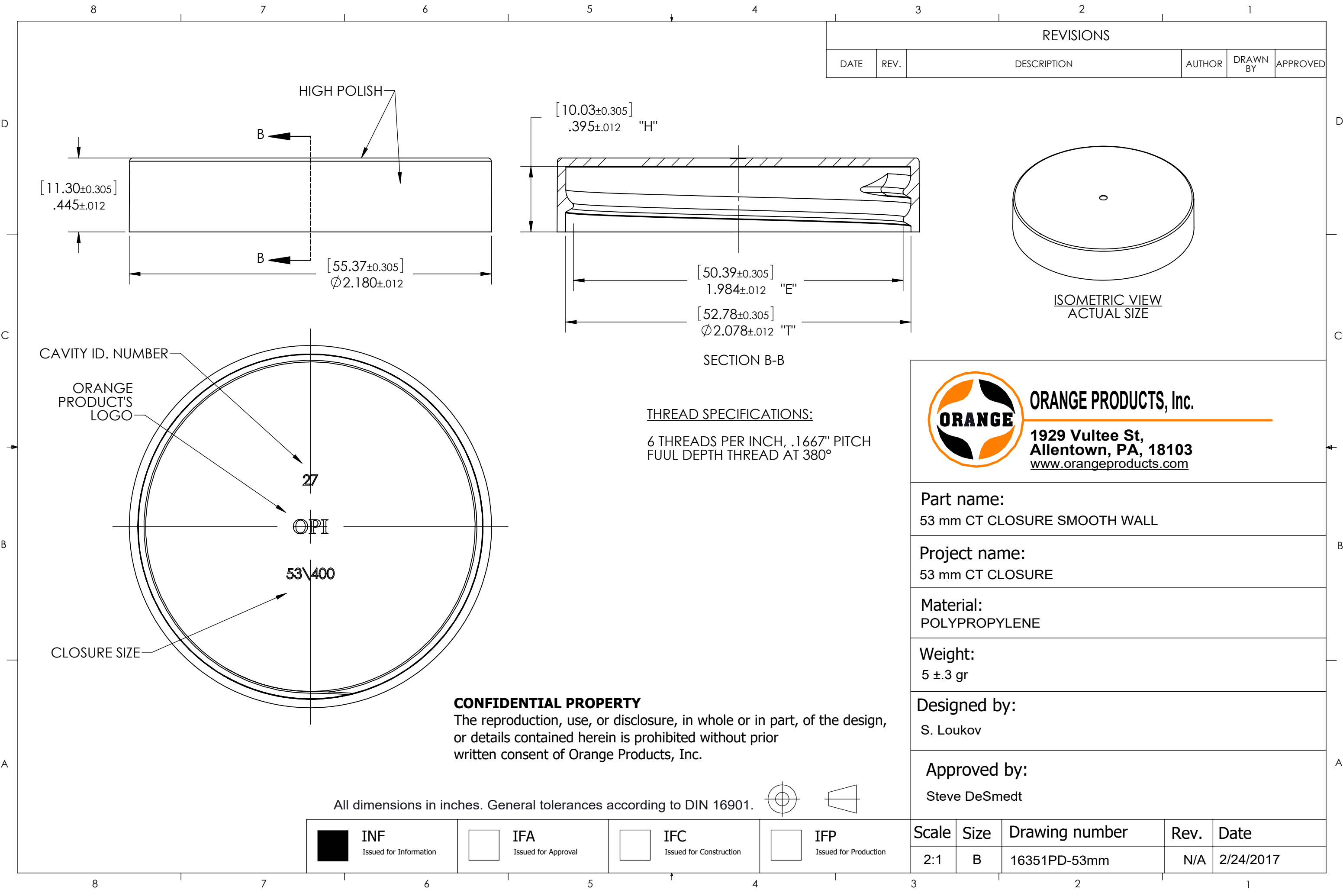
Regulatory Compliance

FDA Compliance	21 CFR 177.1640 Polystyrene and rubber-modified polystyrene. 21 CFR 177.1350 Ethylene-vinyl acetate copolymers. 21 CFR 177.1210 Closures with sealing gaskets for food containers. 21 CFR 176.180 Components of paper and paperboard in contact with dry foods. 21 CFR 176.170 Components of paper and paperboard in contact with aqueous and fatty foods.
Drug Master File (DMF)	002518
Other Compliances	USFDA Food Allergen Guidelines California Proposition 65 Labeling Requirements Limitations of Heavy Metals in Packaging per CONEG & EU 94/62/EC, Article 11
Safety Data Sheet (SDS) Statement	Safety Data Sheets (SDS) are not required for articles as defined in 29 CFR 1910.1200, the OSHA Hazard Communication Standard (HazCom). This product is an article as defined by HazCom and is not considered to be, or to contain, a hazardous chemical based on evaluations made by our company.

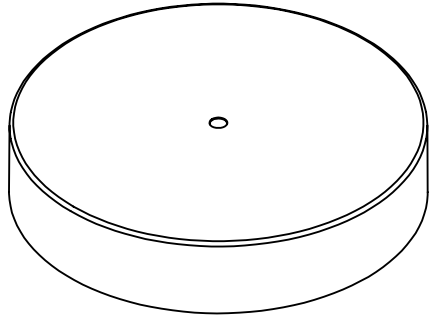
Please note that construction does not reflect adhesive or resin bonding layers, if present.

Revision Number: 3
Revised Date: 2018-05-29

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REVISIONS					
DATE	REV.	DESCRIPTION	AUTHOR	DRAWN BY	APPROVED



ISOMETRIC VIEW
ACTUAL SIZE



ORANGE PRODUCTS, Inc.

1929 Vultee St,
Allentown, PA, 18103
www.orangeproducts.com

Part name:
53 mm CT CLOSURE SMOOTH WALL

Project name:
53 mm CT CLOSURE

Material:
POLYPROPYLENE

Weight:
5 ±.3 gr

Designed by:
S. Loukov

Approved by:
Steve DeSmedt

<input checked="" type="checkbox"/> INF Issued for Information	<input type="checkbox"/> IFA Issued for Approval	<input type="checkbox"/> IFC Issued for Construction	<input type="checkbox"/> IFP Issued for Production
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Scale	Size	Drawing number	Rev.	Date
2:1	B	16351PD-53mm	N/A	2/24/2017