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ILLINGTM
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Product Specification Sheet

Illing Part#

3690HS

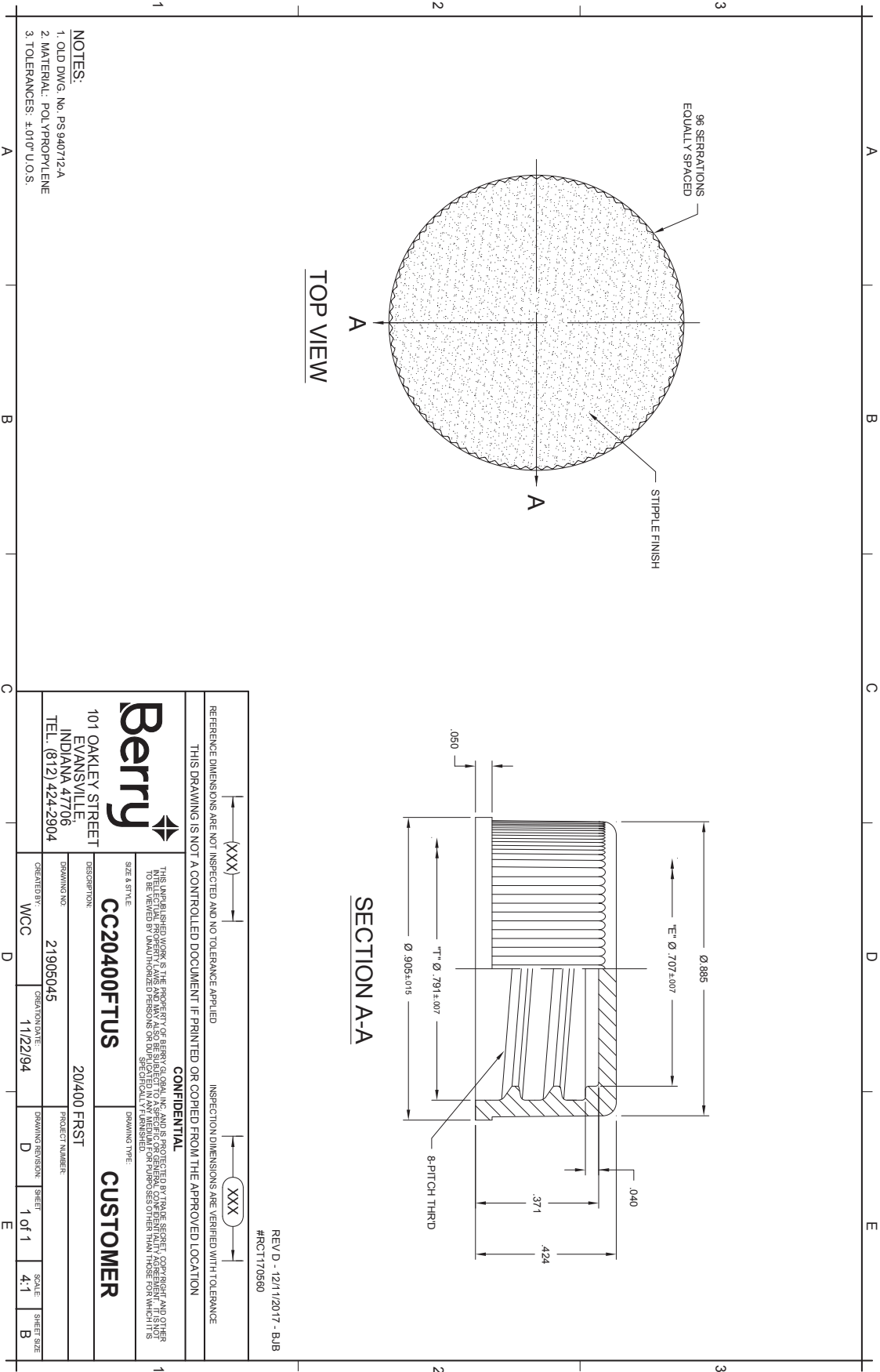
20-400 WHT PP CAP RIBBED HEAT-SEAL FOR HDPE 10000/CTN 350000/PLT

Part #: 3690HS

Size:	20-400
Color:	WHITE
Material:	PP
Style:	RIBBED
Additional Info:	HEAT SEAL
Case Pack:	10,000/CTN
Pallet Pack:	350,000/PLT



www.illingpackaging.com





PRODUCT DATA SHEET

F-419MTM

- F-419MTM is a coextruded primary liner consisting of a foamed Low-Density Polyethylene (LDPE) core sandwiched between two solid layers of High-Density Polyethylene (HDPE) and Low-Density Polyethylene (LDPE).
- Provides improved stiffness over products with Low-Density (LDPE) skins.
- Does not promote microbial growth.

Typical Product Attributes

Construction

Solid PE Foamed LDPE Solid PE		SI (µm)	US (mils)
		Total Thickness 762,0 – 3175,0	Total Thickness 30.0 – 125.0

Properties

Color	White or as specified	White or as specified
Appearance	Opaque	Opaque
Density	320 ± 32 kg/m ³	20 ± 2 lb./ft ³
Thickness Tolerance	± 127 µm ± 178 µm ± 254 µm	± 5 mil ± 7 mil ± 10 mil
Available Widths	25 – 1016 mm 25 – 229 mm ± 1,6 mm	1 – 40 in 1 – 9 in ± 0.0625 in

Regulatory Compliance

FDA Compliance	21 CFR 177.1520 Olefin polymers.
Drug Master File (DMF)	21 CFR 177.1210 Closures with sealing gaskets for food containers.
Other Compliances	Will be added to a DMF upon request for a Letter of Authorization (LOA).
Safety Data Sheet (SDS) Statement	USFDA Food Allergen Guidelines California Proposition 65 Labeling Requirements Limitations of Heavy Metals in Packaging per CONEG & EU 94/62/EC, Article 11 Meets the compositional requirements of Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with food
	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.

VERSION	3	DATE	2021-07-26
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 Homopolymer - High Flow Reactor-
 Injection Molding

3720WZ
POLYPROPYLENE

High Flow. TOTAL Polypropylene 3720WZ has high flow characteristics that result in ease of filling thin wall parts.

Nucleation. TOTAL Polypropylene 3720WZ is nucleated to provide fast cycle time and improved contact clarity in thin wall, multi-cavity molds.

Antistat. TOTAL Polypropylene 3720WZ contains an antistat that will help protect molded parts from dust accumulation.

FDA. TOTAL Polypropylene 3720WZ complies with all applicable FDA regulations for food contact applications.

Recommended Applications. TOTAL Polypropylene 3720WZ is recommended for caps, closures, and thin wall containers.

Processing. TOTAL Polypropylene 3720WZ resin processes on conventional injection molding equipment with typical melt temperatures of 380-450°F (200-232°C). Call the nearest TOTAL Polypropylene Sales Office for additional information.

<u>Resin Properties⁽¹⁾</u>	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow, g/10 min.	20	D-1238 Condition "L"
Density, g/cc	0.905	D-1505
Melting Point, °F (°C)	330 (165)	DSC ⁽²⁾
 <u>Mechanical Properties⁽¹⁾</u>		
Tensile, psi (M Pa)	5,500 (37.9)	D-638
Elongation, %	13	D-638
Tensile Modulus, psi (M Pa)	260,000 (1,790)	D-638
Flexural Modulus, psi (M Pa)	220,000 (1,520)	D-790
Izod Impact, @ 73°F		D-256A
Notched - ft.-lb./in. (J/m)	0.5 (26.7)	
Unnotched - ft.-lb./in. (J/m)	20.0 (1,065)	
Hardness		
Rockwell R	107	D-785A
 <u>Thermal Properties⁽¹⁾</u>		
Heat Deflection		D-648
°F at 66 psi	260	
°C at 4.64 kg/cm ²	127	

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
 (2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

3720WZ 10/04

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or misapplication of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.

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Product Specification Sheet

Illing Part#

3690HS



Rite Systems

Colorants for Polymers

337 Timber Rd
Mooresville, NC 28078
704-235-5700

Product Technical Data Sheet

Product Code: NQC-W1317-7

Description: FDA White

Product Highlights:

-  FDA approved colorant
-  Excellent Dispersion Properties
-  Highly Concentrated

Application: Injection Molding

Storage Conditions: Do not freeze.

Specifications

Active Component: Proprietary blend of liquid carriers and pigments.

Carrier: Liquid Polymer

Viscosity: 8,000 to 14,000cps

Density: 14.5 to 16.1 wt/gal

Color: White

Odor: None

Usage: 0.9%