

# Data Sheet

## MarvelSeal® 585

Manufactured by Berry Plastics Corporation  
Tapes & Coatings Division  
25 Forge Parkway  
Franklin, MA 02038  
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**Structure: Tyvek/PE/Foil/PE Film**

Meets all of the requirements for **MIL-PRF-131K, Class 1**. MarvelSeal 585 is heat sealable and can be used for applications requiring superior tear and puncture resistance as well as protection from light, air and moisture vapor. As an added benefit, MarvelSeal 585 conforms to FDA Regulations PART 177-1520 CFR21 for direct food contact when used as supplied and in accordance with sound manufacturing practices. QPL Listed. **DMF# 17438**

| Property            | Typical Value | Required Value                        | Unit of Measure  | Test Method        |
|---------------------|---------------|---------------------------------------|------------------|--------------------|
| WVTR                | 0.01          | <0.02                                 | g/100sq in/24hrs | Mil-STD 2017/3030  |
| Oil Resistance      | Passed        | No delamination, swelling, or leakage | ---              | MIL-STD 3015       |
| Puncture Resistance | 25            | > 15                                  | lbs              | MIL-STD 2065       |
| Breaking Strength   | 91.2          | > 50                                  | lb/in            | 46.5               |
| Tensile (MD)        | 40            | n/a                                   | lb/in            | TAPPI T494         |
| Tensile (CD)        | 38            | n/a                                   | lb/in            | TAPPI T494         |
| Seal Strength       | 12            | n/a                                   | lb/in            | 400°F/30 psi/1 sec |
| Caliper             | 0.0085        | n/a                                   | inches           | TAPPI T411         |

|                |            |
|----------------|------------|
| Standard Sizes | 36"x1000ly |
|                | 48"x1000ly |

**Disclaimer:**

The data presented refers to typical values only and should serve only as a guide and does not encompass normal variability, or constitute any warranty. We urge purchasers to conduct tests for suitability in their specific end use.



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