Technical Data Sheet

Product: Polyseal HDPE - EPE - HDPE

Product Description

• A three layer laminated product: two solid high density polyethylene (HDPE) films cover a central layer of foamed low density polyethylene (EPE) with closed cells.

• The foamed center core provides the resiliency needed for sealing. The HDPE facings provide a higher chemical resistance than plain EPE despite of the low density of the structure.

Liner Drawing

Liner Characteristics

Standard Thicknesses (mm): **1,00 / 1,10 / 1,20 / 1,50 / 1,70 / 2,00**
with tolerance: ±10%

Density: **200 / 250 / 300 / 350 / 400 kg/m³** (tolerance +10%)

Color: **White**

Chemical Attributes

After literature study of the effects of chemicals in combination with actual testing the following recommendations can be made:

E – Excellent **L – Limited** **U – Unsatisfactory**

Method:
Complete immersion of pre-cut pieces in testing medium at 23 °C during 8 weeks

Alcohols	E
Aliphatic Hydrocarbons	U
Alkalis	E
Aromatic Hydrocarbons	L
Esters	E
Halogenated hydrocarbons	L
Ketones	E
Mineral Acids	E
Mineral Oils and Fuels	E
Water and Aqueous Salt Solutions	E

Please note that these results are only indicative. Therefore it is strongly suggested to test the material in contact with the specific product.

Advantages

• Mechanically strong
• Good chemical resistance
• Easy printable
• No discoloration
• Good machineability
• No absorption
• Ideal application and removal torque
• No dusting: foam particles cannot come loose
• Non-toxic and free of odours and taste

Food Contact Approval

• The ingredients of Tri Seal F 217-3 are authorised by the regulations of FDA, BfR and Commision Regulation (EU) No. 10/2011.
• The contact layer of F 217-3 is in compliance with the requirements of the European Pharmacopoeia 8th edition :
• Monograph 3.1.3: "Polyolefins"
• This formulation is also listed with the FDA in DMF 12087

Storage and Handling

• It is recommended to store the material at room temperature (15°C – 25°C).
• The material must be protected from direct sunlight and high atmospheric humidity during storage. Large fluctuations in ambient temperature and high atmospheric humidity may lead to moisture condensing inside the packaging.