

APET Silicone

Description:

APET Standard has a good impact resistance, high oxygen and water barrier. This tray provides outstanding denesting performance making it ideal for deep-drawn containers in large volumes.

Packaging Process:

Uniform trays that provide outstanding denesting performance. Suited to clip on lids.

Main Application(s):

- Food To Go

End User Application:

- Chilled applications

Colours & Appearance:

- Transparent colours
- Opaque colours

Properties of Base Recipe:

Density: 1.35 g/cm³
Stiffness: ~ 2400 MPa
Impact strength: > 6 J/mm @ 0 °C*
Haze: For clear recipes see guideline on next page

Max. application temp.: 70 °C
Min. application temp.: -40 °C
Melting point: ~245 °C
Softening point (Tg): 76 ± 2 °C

Sealing temperature: 180 °C ± 20 °C
Sealing time: 1.2 ± 0.4 sec
Sealing robustness: ● ● ○ ○
(Normal to contamination)

OTR sheet: $100 \pm 5 \frac{\text{cm}^3 \cdot 25 \mu\text{m}}{\text{m}^2 \cdot \text{day} \cdot \text{bar}}$

OTR tray: $0.18 \frac{\text{cm}^3}{\text{pack} \cdot \text{day} \cdot \text{bar}}^{***}$

Food contact: OM2, E-H ****

Base structure: A/B/A structure
Recycling status: Virgin & rPET | Recyclable
NIR detectable: Depending on colour
MIR detectable: Yes

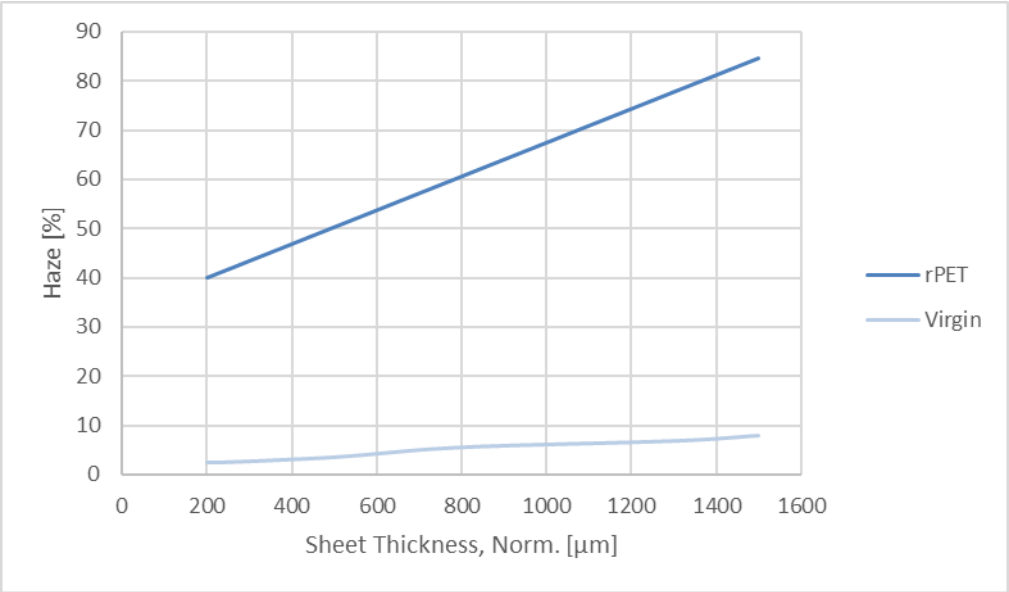
* 85% confidence interval

*** Measured on K2190-53H, 500 µm sheet

**** EC regulation 10/2011, FDA CFR title 21 condition of use

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Haze Guideline for Clear Recipes



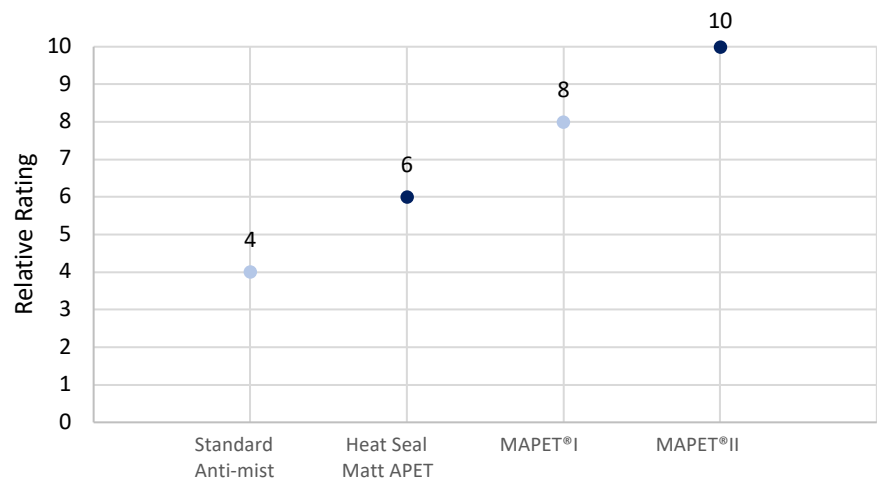
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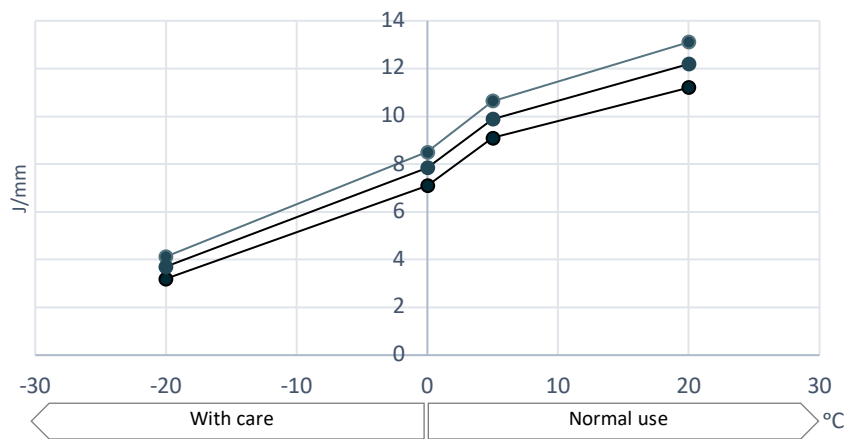
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Overall Sealing Rating
APET Platform



Impact Strength for APET



* 85% confidence interval

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