

DPET™/PE PEELABLE

EXTRUSION CAPABILITIES

Gauge	220/50 to 700/50 microns	±3%
Width of Sheet	150 to 1600 mm	-0/+1 mm
Core ID	152.4 mm	[Standard]
Roll Outer Diameter	≤ 350/50: 700 mm ≥ 350/50: 1000 mm	±3% ±3%
Treatment	Silicone or Non-Silicone Coating	
Winding	PE Inside or Outside	

PROPERTIES

Bond Strength	≥ 4.0 N/15 mm	ASTM F88F88M
Seal Strength*	≤ 8.0 N/15 mm	ASTM F88F88M
Tensile Strength	≥ 50 N/mm ²	ASTM D882
Intrinsic Viscosity	>.74	ASTM D3835
Light Transmission	> 88 %	D1003
Haze	< 10.0 %	D1003
Thermoforming Temperatures	121 to 154 °C	
Oxygen Permeability	≤ 20 cc/m ² .day at 23°C, 50% RH	ASTM F1927
Water Permeability	≤ 2.0 g/m ² .day at 23°C, 50% RH	ASTM F1249
Gels/Fish Eye/Inclusion	≥ 0.75 mm ² = 0 0.75 - 0.35 mm ² = 10 / ft ²	

*USING OCTAL LIDDING FILM



ENVIRONMENTAL PROFILE

OCTAL's focus on sustainability has achieved the industry's lowest energy input and CO₂ emissions per ton of production. When compared to traditional plants, OCTAL's PET resin uses 63% less energy and DPET™ sheet uses 65% less energy. This advanced operational and environmental efficiency translates into significant value for consumers at large who benefit from using the lightest weight, highest quality PET packaging with the smallest environmental footprint.



HEADQUARTERS:
P.O. Box 3786, Muscat 112, Sultanate of Oman

PET MANUFACTURING COMPLEX:
P.O. Box 383, Salalah 217, Sultanate of Oman

WWW.OCTAL.COM

CONTACT US:
OMAN P: +968 23 217 500 F: +968 23 217 506
USA P: +1 (972) 985 4370 F: +1 (972) 985 4371
CHINA P: +86 21 6487 5387 F: +86 21 6468 6772
UK P: +44 79 5614 6641
GERMANY P: +49 160 947 93121
REACH US BY E-MAIL: info@octal.com

DPET™/PE LAMINATE SHEET

Presenting DPET™/PE Laminate Sheet for:

- ✓ POULTRY
- ✓ MEAT
- ✓ CHEESE
- ✓ DRIED FRUIT



OCTAL The Leading Choice for Clear Rigid Packaging

DPET™/PE LAMINATE SHEET

The process of designing an FFS package requires choosing the highest quality material with greatest consistency to meet the needs of the brand owner, food processor and consumer, alike, for high speed machinability.

OCTAL's proprietary technology produces PET sheet directly from PET melt resin, resulting in a final product with significantly enhanced optical and mechanical properties. With the **direct-to-sheet PET product, DPET™**, OCTAL delivers the quality required for consistent PET sheet to enable thermoforming, brand and retail partners to realize unsurpassed reliability, higher and more consistent yield, and packaging products with superior gloss and transparency.

Through DPET™'s revolutionary process, enhanced forming properties result from the elimination of several heat-intensive steps during manufacture. This leads to stronger, more reliable packages that easily endure the stress and strain of FFS processing, distribution and use. DPET™'s unique direct-to-sheet manufacturing process eliminates defects from resin contamination and ensures uniformity, meaning that DPET™ packages will consistently protect their contents with reliable shelf life.

DPET™/PE Laminate Sheet shines in applications where new lidding stock technology eliminates the need for a polyethylene layer on the PET sheet. Superior gauge consistency expands the sealing process window, simplifying reliable formation of consistent, robust seals.

With its improved barrier properties, DPET™/PE Laminate Sheet, effectively preserves contents and prevents odor contamination while providing excellent packaging appeal especially for detailed printing designs in any application.

DPET™'s optimum gauge control empowers designers with the freedom to push packaging design boundaries with new and exciting shapes and forms, reducing package weight and cost. Its environmental profile stands above the rest, setting new global benchmarks. Combining this with superior, low waste processing capabilities renders DPET™/PE Laminate Sheet the preferred choice for a cost effective, high performing and environmentally conscious FFS package.

KEY POINTS

- Easier cutting with less blade wear
- Superior performance as a mono layer structure, eliminating the need for a polyethylene layer of sealing lidding film
- Unparalleled transparency with minimal haze
- Enhanced strength
- Resistance to cracking
- High definition even with deep draws
- Reel to reel consistency
- Higher yields
- Absolute traceability

TECHNICAL DATA

PRODUCT

Clear Amorphous Polyethylene Terephthalate Sheet (DPET™) with a PE laminate film

COMPOSITION AND PROCESS

The material is composed of a PE film laminated onto DPET™ sheet

FOOD CONTACT APPROVAL

EU Regulation 10/2011, USA FDA CFR 21 Section 177.1630, Heavy metal requirements of EC Directive 94/62/EC, UK Statutory Instrument 2003 No. 1941 as amended and the CONEG Regulations.

TECHNICAL SPECIFICATIONS DPET™/PE LOCK-UP

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DPET™/PE WITH HIGH BARRIER PROPERTIES

EXTRUSION CAPABILITIES

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Roll Outer Diameter	≤ 350/50: 700 mm ≥ 350/50: 1000 mm	±3% ±3%
Treatment	None	or as specified
Winding	PE Outside	or as specified

PROPERTIES

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Tensile Strength	≥ 50 N/mm ²	ASTM D882
Intrinsic Viscosity	>.74	ASTM D3835
Light Transmission	> 88 %	D1003
Haze	< 10.0 %	D1003
Thermoforming Temperatures	90 to 120 °C	
Oxygen Permeability	≤ 2.0 cc/m ² .day at 23°C, 50% RH	ASTM F1927
Water Permeability	≤ 2.0 g/m ² .day at 23°C, 50% RH	ASTM F1249
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