

OCTAL DPET™/PE Laminate Sheet with Improved Barrier Properties

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

Material Notes:

Clear direct-to-sheet amorphous PET sheet with a polyethylene laminate film. Approved for food contact packaging. Information provided by OCTAL Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_OCTAL-DPETPE-Laminate-Sheet-with-Improved-Barrier-Properties.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	<= 2.00 g/m ² /day	<= 0.129 g/100 in ² /day	23°C; 50% RH; ASTM F1249
Oxygen Transmission Rate	<= 2.00 cc/m ² /day	<= 0.129 cc/100 in ² /day	23°C; 50% RH; ASTM F1927
Viscosity Measurement	>= 0.74	>= 0.74	Intrinsic; ASTM D3835
Thickness	270 - 750 microns	10.6 - 29.5 mil	includes both PET and PE layers

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 50.0 MPa	>= 7250 psi	ASTM D882
Tear Strength	>= 0.265 kN/m	>= 1.51 pli	Bond strength between laminate layers; ASTM F88F88M

Optical Properties	Metric	English	Comments
Haze	<= 10 %	<= 10 %	ASTM D1003
Transmission, Visible	>= 88 %	>= 88 %	ASTM D1003

Processing Properties	Metric	English	Comments
Processing Temperature	90.0 - 120 °C	194 - 248 °F	Thermoforming

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