

Metallocene Linear Low Density Polyethylene
DaelimPoly^M

XP5300 series

Description

Characteristics	▪ Excellent Toughness and Stiffness ▪ High Clarity and Gloss	▪ Very small amount of Extractables ▪ Excellent Heat Seal Properties at lower Temperature
Applications	▪ Lamination Films ▪ Agricultural Films	▪ High Strength Films
Processing Recommendation	Processing Temp. 150~170°C / BUR 2.0~3.0	
Specification data	Complies with FDA 21 CFR 177.1520	

Physical Properties – Film

Resin Properties	Unit	Test Method	XP5300	XP5300EN
Density	g/cm ³	ASTM D1505	0.915	0.914
Melt Index (190°C, 2.16 kg)	g/10min	ASTM D1238	2.0	2.0
Vicat Softening Temperature	°C	ASTM D1525	101	97
Melting Temperature	°C	ASTM D3418	112	112
Additives	-	-	AO, PPA, AB, S	AO, PPA
Film Properties	Unit	Test Method	XP5300	XP5300EN
Tensile Strength at Break, MD/TD	kg/cm ²	ASTM D882	550/430	550/430
Elongation at Break, MD/TD	%	ASTM D882	610/650	610/650
Tear Strength, MD/TD	kg/cm	ASTM D1004	110/115	110/115
Dart Impact Strength (A)	gf	ASTM D1709	300	300
Haze	%	ASTM D1003	15	15
Gloss(45°)	-	ASTM D2457	89	89
Seal Initiation Temperature (HGT, 2.8KG, 0.5sec)	°C	Daelim	93	93

1. Film Processing Condition : Φ40mm Blown Film Extruder, 180°C, BUR 2.5, Φ100mm Die, Film thickness 0.030mm
2. Additives : AO (Antioxidant), AB (Anti Blocking Agent), S (Slip Agent), PPA (Polymer Processing Aid)
3. These are typical properties only and are not to be construed as specifications.

*NOTICE: Prior to use for any commercial purpose, the customer is fully responsible for determining its suitability for intended application and for ensuring its disposal practices are in compliance with applicable laws and other governmental enactments. DAELIM assumes no obligation or liability in this regard.

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