

Metallocene Linear Low Density Polyethylene

XP3300 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 Film ▪ Agriculture Film	▪ High Strength Film
Processing Recommendation	Processing Temperature 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	XP3300	XP3300N	XP3300EN
Density	g/cm ³	ASTM D1505	0.921	0.921	0.920
Melt Index (190°C, 2.16 kg)	g/10min	ASTM D1238	2.0	2.0	2.0
Vicat Softening Temperature	°C	ASTM D1525	107	107	107
Melting Temperature	°C	ASTM D3418	115	115	115
Additives	-	-	AO, PPA, AB, S	AO, PPA, AB	AO, PPA
Film Properties	Unit	Test Method	XP3300	XP3300N	XP3300EN
Tensile Strength at Break, MD/TD	kg/cm ²	ASTM D882	600/480	600/480	600/480
Elongation at Break, MD/TD	%	ASTM D882	550/590	550/590	550/590
Tear Strength, MD/TD	kg/cm	ASTM D1004	127/130	127/130	127/130
Dart Impact Strength (A)	gf	ASTM D1709	160	160	160
Haze	%	ASTM D1003	17	17	17
Gloss(45°)	-	ASTM D2457	87	87	87
Seal Initiation Temperature (HGT, 2.8KG, 0.5sec)	°C	Daelim	96	96	96

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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