

Metallocene Linear Low Density Polyethylene

XP9500 series

Description

Characteristics	<ul style="list-style-type: none"> Excellent Toughness and Stiffness Satisfy Various Stiffness products Excellent Throughput Good Filler Loading & Dispersion
Applications	<ul style="list-style-type: none"> Base Resin for Breathable Film (Hygiene, Industrial Wrap)
Processing Recommendation	Processing Temperature 210~250°C
Specification data	Complies with FDA 21 CFR 177.1520

Physical Properties – Breathable Film

Resin Properties	Unit	Test Method	XP9500	XP9500M	XP9500S
Density	g/cm ³	ASTM D1505	0.919	0.927	0.935
Melt Index (190°C, 2.16 kg)	g/10min	ASTM D1238	3.7	3.7	3.7
Vicat Softening Temperature	°C	ASTM D1525	107	113	121
Melting Temperature	°C	ASTM D3418	116	121	124
Additives	-	-	AO	AO	AO
Film Properties	Unit	Test Method	XP9500	XP9500M	XP9500S
Tensile Strength at Break, MD/TD	kg/cm ²	ASTM D882	460/390	465/400	470/430
Elongation at Break, MD/TD	%	ASTM D882	450/600	430/580	420/550
Dart Impact Strength(A)	gf	ASTM D1709	500	200	150
Haze	%	ASTM D1003	0.5	0.7	2.0
2% Secant modulus, MD/TD	kg/cm ²	ASTM D882	1190/1145	1505/1550	1810/1960

1. Film Processing Condition : Φ50mm Cast Film Extruder, 250°C, Film thickness 0.022mm
2. Additives : AO (Antioxidant)
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. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED..