

DESCRIPTION

ML1710SC is a metallocene linear low density polyethylene copolymer. This metallocene grade is designed for high performance film applications requiring superior optical properties and toughness. ML1710SC is formulated with a process aid and a process stabilisation package. It does not contain slip or antiblocking additives.

APPLICATION

Film Extrusion: ML1710SC is intended for film applications requiring high performance polyethylene resins. Films produced with ML1710SC have superior clarity and higher gloss, combined with excellent toughness and sealability. ML1710SC is particularly suitable for blown stretch films containing cling additives. This grade allows rapid cling development and a higher ultimate cling level, with excellent puncture resistance and toughness. Addition of a UV stabiliser should be considered where the intended application involves intermittent to extended exposure to sunlight.

FOOD CONTACT / PRODUCT SAFETY

For food contact information please refer to the Regulatory Data Sheet at genos.com. For product safety information please refer to the Safety Data Sheet at genos.com.

Polymer Properties	Value ¹	Units	Test Method
Melt Index @ 190°C, 2.16 kg	1.0	g/10 min	ASTM D1238
Density	0.917	g/cm ³	ASTM D1505

Film Properties ²		Value ¹	Units	Test Method
Haze (10% LDPE blended)		9	%	ASTM D1003
Gloss, 45° (10% LDPE blended)		72	GU	ASTM D2457
Dart Drop Impact (F ₅₀)		> 1500	g	ASTM D1709
Tear Strength	MD TD	6.1 6.6	N N	ASTM D1922
Tensile Strength at Yield ³	MD TD	11 11	MPa MPa	ASTM D882
Tensile Strength at Break ³	MD TD	54 54	MPa MPa	ASTM D882
Elongation at Break ³	MD TD	830 860	% %	ASTM D882
2% Secant Modulus ⁴	MD TD	140 140	MPa MPa	ASTM D882

1. Typical values - not to be construed as specifications.
 2. Film properties have been measured on 50 µm gauge film extruded at Qenos Gloucester line (2.8:1 blow-up ratio).
 3. At 500 mm/min cross head speed.
 4. At 20 mm/min cross head speed.
- For up to date information, refer to genos.com

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