

Alkatuff® 525

Linear Low Density Polyethylene
Qenos Pty Ltd

Message:

525 is a hexene copolymer linear low density polyethylene, designed for high quality cast film applications. 525 is formulated with stabilisation additives, but contains no other additives.

525 is intended for cast film applications such as nappy film. 525 is not recommended for use in outdoor applications (especially applications where there may be prolonged exposure to sunlight, eg. agricultural films) without the addition of appropriate Hindered Amine based Light Stabilisers (HALS).

525 is suitable for food contact applications and conforms to the requirements of the United States Food and Drug Administration CFR 21 177.1520, paragraph (c), item 3.1.

General Information			
Features	Copolymer		
	Compliance of Food Exposure		
Uses	Films		
	Stretch winding		
	cast film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
Forms	Particle		
Processing Method	Film extrusion		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield	15.2	MPa	ASTM D882
TD: Yield	15.2	MPa	ASTM D882
MD: Fracture	34.1	MPa	ASTM D882
TD: Fracture	28.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	750	%	ASTM D882
TD: Fracture	840	%	ASTM D882
Dart Drop Impact (Blown Film)	58	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (Blown Film)	79		ASTM D2457
Haze (Blown Film)	4.2	%	ASTM D1003
Additional Information			

Film properties taken from blown film processed at a blow up ratio of 3.5:1.

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

