

DOW™ LDPE 555E

Low Density Polyethylene Resin
The Dow Chemical Company

Message:

DOW LDPE 555E is a low density polyethylene resin with a fractional melt index especially designed for shrink films and industrial and consumer blown films. This resin provides exceptional bubble stability, high levels of shrink, excellent balance of stiffness, toughness and tear resistance, and a very good clarity.

Main Characteristics:

- High output rates
- Very high shrink
- Good stiffness-toughness balance
- High puncture resistance
- High tear resistance

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.926	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	ASTM D882
Secant Modulus			
2% Secant, MD : 51 µm	200	MPa	
2% Secant, TD : 51 µm	250	MPa	ASTM D882
Tensile Strength			
MD : Break, 51 µm	22.0	MPa	
TD : Break, 51 µm	21.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 51 µm	500	%	
TD : Break, 51 µm	650	%	ASTM D1709A
Dart Drop Impact (51 µm)	150	g	
Elmendorf Tear Strength ¹			
MD : 51 µm	250	g	ASTM D1922
TD : 51 µm	330	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	102	°C	ASTM D1525
NOTE			
1.	Method B		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

