

## Provisional Product Data Sheet of **EVALENE® LF08263** C6 Linear Low Density Polyethylene Grade (Developmental)

PROPERTY	Test Condition	Test Method	Typical Value	UNIT
<b>PHYSICAL PROPERTIES</b>				
Melt Index	190°C/ 2.16 kg	ASTM D1238	0.8	g/10 min
Density	23°C	ASTM D1505	0.926	g/cm <sup>3</sup>
<b>FILM PROPERTIES*</b>				
Tensile Strength at Yield	500 mm/min	ASTM D882	14 / 15	MPa
Elongation at Yield	500 mm/min	ASTM D882	20 / 15	%
Tensile Strength at Break	500 mm/min	ASTM D882	15 / 16	MPa
Elongation at Break	500 mm/min	ASTM D882	459 / 517	%
Tensile Modulus	1% Secant, 25 mm/min	ASTM D882	324 / 348	MPa
Puncture Resistance		DIN EN 14477	1.26	N
Coefficient of Friction - Static		ASTM D1894	0.10	--
Coefficient of Friction - Kinetic		ASTM D1894	0.07	--

\*Properties tested on 25μ films made using a Labtech extruder with 30mm screw, 70mm die, 1.27mm die gap, at 2.91:1 BUR. Tensile properties are in machine and transverse directions (MD/TD).

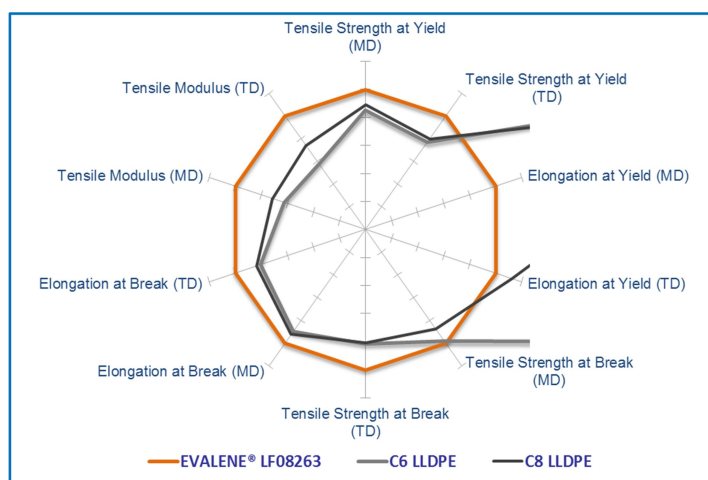
### FEATURES:

- C6 grade with slip and antiblock
- Superior stiffness
- Excellent tensile properties
- Good puncture resistance

### APPLICATIONS:

- Heavy duty applications requiring slip
- Agricultural films
- High-performance flexible and industrial packaging requiring superior puncture resistance

**Figure 1. Mechanical property performance of EVALENE® LF08263 vs. other C6 and C8 LLDPE**



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