

Low Density Polyethylene Resin

LD 151 BW LDPE grades offer an excellent combination of high clarity with high stiffness. Several additive packages are available according to the required surface properties.

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
----------	-----------------	------------	---------------------------

Film Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Strength at Yield TD	2500	psi	17	MPa	ASTM D882
Tensile Strength at Break MD	3800	psi	26	MPa	ASTM D882
Tensile Strength at Break TD	3000	psi	21	MPa	ASTM D882
Elongation at Break MD	370	%	370	%	ASTM D882
Elongation at Break TD	610	%	610	%	ASTM D882
Secant Modulus MD - 1% Secant	55000	psi	380	MPa	ASTM D882
Secant Modulus TD - 1% Secant	64000	psi	440	MPa	ASTM D882
Dart Drop Impact	60	g	60	g	ASTM D1709A
Elmendorf Tear Strength MD	90	g	90	g	ASTM D1922
Elmendorf Tear Strength TD	180	g	180	g	ASTM D1922

- toilet tissue
- kitchen paper overwrap
- cast and melt-embossed film
- label film

The film properties have been measured on a 30 µm (1.18 mil) thick film of LD 151BW (Blow-up ratio : 2.5) The value listed as Density, ASTM D1505, was tested in accordance with EMC test methods.

