



SABIC® COHERE 8108L

METALLOCENE POLYOLEFIN PLASTOMER

DESCRIPTION

SABIC® COHERE™ 8108L is an ethylene-octene copolymer produced via solution polymerization using metallocene catalyst. It performs well in high performance LLDPE blown film applications with an excellent combination of toughness, hot tack, sealing and optical properties. It contains slip and antiblock additives.

TYPICAL APPLICATIONS

Low temperature sealing layer for high value packaging (low SIT, seal through contamination, toughness improvement)

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190°C and 2.16 kg	0.8	g/10 min	ASTM D1238
Density	908	kg/m ³	ASTM D1505
FORMULATION			
Slip agent	☑	-	-
Anti block agent	☑	-	-
OPTICAL PROPERTIES			
Haze	6	%	ASTM D1003
FILM PROPERTIES			
Tensile test film			
stress at break, MD	45	MPa	ASTM D882
stress at break, TD	54	MPa	ASTM D882
elongation at break, MD	540	%	ASTM D882
elongation at break, TD	640	%	ASTM D882
1% secant modulus, MD	95	MPa	ASTM D882
1% secant modulus, TD	105	MPa	ASTM D882
Dart Impact F50	> 1000	g	ASTM D1709
Elmendorf Tear Strength ⁽¹⁾			
MD	13	g/μm	ASTM D1922
TD	20	g/μm	ASTM D1922
THERMAL PROPERTIES			
Melting Point	~105	°C	SABIC method