



SABIC[®] COHERE[™] 8185

METALLOCENE POLYOLEFIN PLASTOMER

DESCRIPTION

SABIC[®] COHERE[™] 8185 is an ethylene-octene copolymer produced via solution polymerization using metallocene catalyst. It performs well in high performance film applications with outstanding gel control, and an excellent combination of toughness, hot tack, sealing and optical properties.

TYPICAL APPLICATIONS

- Sealant layer in multi-layer film;
- Cling layer in stretch wrap film;
- Adhesive layer in surface protect film.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190°C and 2.16 kg	1.0	g/10 min	ASTM D1238
Density			
at 23°C	0.885	g/cm ³	ASTM D792
MECHANICAL PROPERTIES			
Flexural Modulus (1% Secant)	29.4	MPa	ASTM D790 A
Tear Strength (Type C)	58.5	kN/m	ASTM D624
FILM PROPERTIES			
Tensile Properties⁽¹⁾			
stress at break	16.7	MPa	ASTM D638
elongation at break	700	%	ASTM D638
100% modulus	4.6	MPa	ASTM D638
THERMAL PROPERTIES			
Melting Point	~74	°C	SABIC method