



SABIC® COHERE 8170

METALLOCENE POLYOLEFIN PLASTOMER

DESCRIPTION

SABIC® COHERE™ 8170 is an ethylene-octene copolymer produced via solution polymerization using metallocene catalyst. It can be used in monolayer or coextruded film to enhance heat-sealing properties, clarity, toughness, flexibility and elasticity. It has strict gel control to meet high quality film requirements.

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	0.868	g/cm ³	ASTM D792
MECHANICAL PROPERTIES			
Flexural Modulus (1% Secant)	13.2	MPa	ASTM D790 A
Tear Strength (Type C)	39.2	kN/m	ASTM D624
FILM PROPERTIES			
Tensile Properties ⁽¹⁾			
stress at break	9.3	MPa	ASTM D638
elongation at break	850	%	ASTM D638
100% modulus	2.9	MPa	ASTM D638
THERMAL PROPERTIES			
Melting Point	~62	°C	SABIC method