# COHERE™ PLASTOMER 8185

METALLOCENE POLYOLEFIN PLASTOMER

## DESCRIPTION

COHERE™ Metallocene Polyolefin Plastomer (POP) 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 (MFR)** | | | |
| at 190°C and 2.16 kg | 1.0 | g/10 min | ASTM D1238 |
| **Density** | | | |
| at 23°C | 0.885 | g/cm³ | 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 |