

SABIC® COHERE 8570

METALLOCENE POLYOLEFIN PLASTOMER

DESCRIPTION

SABIC® COHERE™ 8570 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

Revision 20170706

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190°C and 2.16 kg	5.0	g/10 min	ASTM D1238 [®]
Density			
at 23°C	868	kg/m ³	ASTM D792
MECHANICAL PROPERTIES			
Flexural Modulus (1% Secant)	10.8	MPa	ASTM D790 A
Tear Strength (Type C)	35.3	kN/m	ASTM D624
FILM PROPERTIES			
Tensile Properties⁽¹⁾			
stress at break	6	MPa	ASTM D638
elongation at break	1100	%	ASTM D638
100% modulus	2.3	MPa	ASTM D638
THERMAL PROPERTIES			
Melting Point	~62	°C	SABIC method

(1)

All physical properties were measured from specimens cut from compression molded. These typical values depend on manufacturing conditions. Therefore, customers should confirm the product performance by using their own tests.

FOOD REGULATION

Please contact the local Sales / Technical representative for details.

DISCLAIMER

This grade is not intended for and must not be used in any pharmaceutical / medical applications.

STORAGE AND HANDLING

The resin should be stored in a manner to prevent a direct exposure to sunlight and / or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions that may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC as referred to herein means any legal entity belonging to the group of companies headed by Saudi Arabia Basic Industries Corporation.

The logo for STAVIAN CHEMICAL, featuring a large, stylized, light blue diamond shape above the word "STAVIAN" in a bold, sans-serif font, with a registered trademark symbol (®) to the right. Below "STAVIAN" is the word "CHEMICAL" in a smaller, all-caps, sans-serif font.