

EXACT 0201 HS

Octene-1 Plastomer

DATA SHEET

Description

EXACT® 0201 HS is an ethylene based octene plastomer, produced in a solution polymerisation process using a metallocene catalyst.

EXACT 0201 HS is a low C.O.F. version of the Exact 0201 grade, specially designed to enhance the sealing performance of flexible films used for food and industrial packaging applications.

Demonstrated applications include seal layers in barrier films for food packaging, lamination film seal layers and high strength flexible films.

Key performance attributes

- Low Coefficient of Friction (C.O.F.)
- Unrivalled sealing and hot tack properties at low temperature
- Outstanding toughness
- Excellent polyolefin compatibility
- High clarity

General properties	Units	Typical values [1]	Method
Melt Flow Rate (2.16 kg/190°C)	dg/min	1.1	ISO 1133
Density (23°C)	kg/m ³	902	ISO 1183
DSC peak melting point	°C	95	ASTM D3418
DSC heat of fusion	J/g	120	ASTM D3418
Vicat softening temp. (at 10 N)	°C	83	ISO 306

Film properties [2]			
Gloss		82	ASTM 2457 (45°)
Haze	%	3.7	ASTM D1003 (A)
1% Secant modulus (MD/TD)	MPa	57/58	ISO 1184(F)
Seal initiation temperature	°C	83	Internal method
Puncture resistance max. tension	MPa	125	Internal method
Puncture resistance energy	MJ/mm	1100	Internal method
Impact strength	g/μ	> 19	ASTM D4272

[1] Values are typical and not to be interpreted as specifications.

[2] Specifics of 40 μm film.

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Additives

EXACT 0201 HS contains 3000 ppm antiblock agent, 1000 ppm slip agent, processing stabilizers and processing aid.

Food Law Compliance and Product Handling

EXACT 0201 HS with FDA 21 CFR 177.1520
- "Olefin Polymers" - (C) 3.2a.

More detailed and specific information on food law compliance and material safety aspects of EXACT grades will be provided upon request.

Packaging

EXACT 0201 HS is supplied as free flowing pellets with standard package type 25 kg bags on shrink wrapped pallets with a total weight of 1,375 kg.

Further information

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