

AFFINITY™ PL 1280G

Polyolefin Plastomer

The Dow Chemical Company

Описание материалов:

AFFINITY™PL 1280G polyolefin plastomer is a polyolefin plastomer (POP), which is prepared by INSITE of Dow Plastics Division™Technology, specially used as sealant layer in soft structures such as meat, cheese, dry goods and consumer goods packaging materials. Due to its excellent low-temperature heat-sealing performance, ultimate thermal adhesive strength, optical properties and strength, it is especially suitable for high-speed molding-filling-heat-sealing packaging production lines.

remarks: when the resin is applied to the food contact field without modification, the resin meets the regulatory requirements for contact food substances (FCN) under the federal food, drug and cosmetic act of the United States, and its market access notice has been effective from October 7, 2004 in accordance with the FCN 424. The food contact certification notice allows the product to be used as an article or component in the production of articles in contact with food. These food types are described in the U.S. Food and Drug Administration Regulation 21 CFR § 176.170(c) Table -2 of the use conditions A to H. The composition of this product complies with EU directives

EU, No 10/2011

manufacturers should be aware that foods with high oil content may reduce the integrity of packaging. Please contact your nearest Dow representative for proof of compliance with the Food Contact Act. The purchaser remains responsible for determining whether the use of its products complies with all relevant regulations.

Application field:

cast film

Главная Информация			
Рейтинг агентства	FDA FCN 424		
	HPFB (Канада) нет возражений		
	Европа без 10/2011		
Формы	Частицы		
Метод обработки	Литая пленка		
Физический	Номинальное значение	Единица измерения	Метод испытания
Удельный вес	0.900	g/cm ³	ASTM D792
Массовый расход расплава (MFR) (190°C/2.16 kg)	6.0	g/10 min	ISO 1133
Пленки	Номинальное значение	Единица измерения	Метод испытания
Толщина пленки протестирована	25	µm	
Tensile Stress ¹			ISO 527-3
MD: Yield, 25 µm	5.80	MPa	ISO 527-3
TD: Yield, 25 µm	5.30	MPa	ISO 527-3
MD: Break, 23 µm	48.0	MPa	ISO 527-3
TD: Break, 23 µm	30.0	MPa	ISO 527-3
Удлинение при растяжении ²			ISO 527-3
MD: Break, 25 µm	470	%	ISO 527-3
TD: Break, 25 µm	720	%	ISO 527-3
Ударное падение Dart ³ (25 µm)	290	g	ISO 7765-1/B
Elmendorf Tear Strength ⁴			ASTM D1922

MD : 25 µm	78	g	ASTM D1922
TD : 25 µm	410	g	ASTM D1922
Температура инициализации уплотнения ⁵ (25 µm)	88.0	°C	Internal method
Тепловой	Номинальное значение	Единица измерения	Метод испытания
Викат Температура размягчения	81.0	°C	ASTM D1525
Температура плавления (DSC)	96.0	°C	Internal method
Оптический	Номинальное значение	Единица измерения	Метод испытания
Блеск ⁶ (20°, 25.0 µm)	91		ASTM D2457
Haze ⁷ (25.0 µm)	4.0	%	ISO 14782

Дополнительная информация

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NOTE

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| 1. | Single-layer cast film, extruded at 274°C, 0.5mm die gap. |
| 2. | Single-layer cast film, extruded at 274°C, 0.5mm die gap. |
| 3. | Single-layer cast film, extruded at 274°C, 0.5mm die gap. |
| 4. | Single-layer cast film, extruded at 274°C, 0.5mm die gap. |
| 5. | Single-layer cast film, extruded at 274°C, 0.5mm die gap. The temperature required to reach 5.25 N/15mm heat seal strength. |
| 6. | Single-layer cast film, extruded at 274°C, 0.5mm die gap. |
| 7. | Single-layer cast film, extruded at 274°C, 0.5mm die gap. |

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