200-GB02

Product Technical Information

Polypropylene 200-GB02 is a random copolymer polypropylene with a Melt Flow Index of 1.8 g/min suitable for:

- the manufacturing of films having easy heat weldability in the blown process
- extrusion applications.

Characteristics

Properties	Test Methods	Values	Units
Rheological			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	1.8	g/10 min
Mechanical			
Tensile Strength at Yield	ISO 527-2	26	MPa
Elongation at Yield	ISO 527-2	10	%
Tensile modulus	ISO 527-2	1100	MPa
Flexural modulus	ISO 178	1000	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	7.5	kJ/m²
Charpy Impact Strength (notched) at 23°C	ISO 179	8.5	kJ/m²
Hardness Rockwell - R-scale	ISO 2039-2	84	
Thermal			
Melting Point	ISO 3146	148	°C
Vicat Softening Point	ISO 306		
50N-50°C per hour		67	°C
10N-50°C per hour		130	°C
Other physical properties			
Density	ISO 1183	0.902	g/cm³
Bulk Density	ISO 60	0.525	g/cm³

Data should not be used for specification work

March 2024

Published by

INEOS Olefins & Polymers Europe

200-GB02

Additional Properties: typical film properties on 40µm thick blown film

Properties	Test Methods	Values	Units
Optical			
Gloss	ASTM D2457	33	
Haze	ISO 14782	19	%
Mechanical*			
Tensile Strength at Yield MD *	ISO 527-3	33	MPa
Tensile Strength at Break MD *	ISO 527-3	76	MPa
Tensile Elongation at Break MD *	ISO 527-3	650	%
Dart Impact	ISO 7765-1	36	g
Elmendorf MD / TD *	ISO 6383-2	3 / 13	N/mm
Data should not be used for specification work			

* MD: Machine Direction TD: Transverse Direction

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

March 2024

Published by

INEOS Olefins & Polymers Europe