

150-ZA12

Product Technical Information

Polypropylene **150-ZA12** is a narrow molecular weight distribution homopolymer polypropylene, with anti-gas fading stabilisation.

Polypropylene **150-ZA12** is intended for the extrusion of fibres with the spunbond technology. It is also suitable for extrusion of continuous filaments (CF).

Characteristics

Properties	Test Methods	Values	Units
Rheological			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	12	g/10 min
Mechanical			
Tensile Strength at Yield	ISO 527-2	30	MPa
Elongation at Yield	ISO 527-2	11	%
Tensile modulus	ISO 527-2	1350	MPa
Flexural modulus	ISO 178	1250	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	4	kJ/m ²
Charpy Impact Strength (notched) at 23°C	ISO 179	4.5	kJ/m ²
Hardness Rockwell - R-scale	ISO 2039-2	92	
Thermal			
Melting Point	ISO 3146	165	°C
Vicat Softening Point	ISO 306		°C
50N-50°C per hour		78	
10N-50°C per hour		147	
Heat Deflection Temperature	ISO 75-2		°C
1.80 MPa - 120°C per hour		52	
0.45 MPa - 120°C per hour		95	
Other physical properties			
Density	ISO 1183	0.905	g/cm ³
Bulk Density	ISO 60	0.525	g/cm ³

Data should not be used for specification work

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.