

Technical Datasheet

Material Type	PP	Trademark	Expond®	Grade Name	A422-G15
Feature					
Material Standard					
Availability					
Processing method					
Appearance					
Applications					

General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Filler Content	%	15	ISO 3451-1, -4	
2	Density	g/mL	1.00	ISO 1183	23 °C
3	Tensile Strength	MPa	65	ISO 527	50 mm/mm
4	Tensile Elongation	%	5	ISO 527	50 mm/mm
5	Flexural Strength	MPa	80	ISO 178	2 mm/mm
6	Flexural Modulus	MPa	3,000	ISO 178	2 mm/mm
7	Impact Strength	kJ/m ²	40	ISO 179	23 °C
8	Notched Impact Strength	kJ/m ²	6	ISO 179	23 °C
9	Heat Deflection Temperature	°C	130	ISO 75	1.8 MPa
10	Material Shrinkage	%	0.6-0.8	ISO 294	23 °C, 48h

Processing Conditions

Drying condition	100 °C, 2-3 h
Molding Temp.	200 - 230 °C (F), 190 - 210 °C (M), 200 - 220 °C (B)
Mold Temp.	70 - 90 °C
Screw Speed	30 - 50 rpm
Injection Pressure	90 - 130 MPa
Back Pressure	0.3 - 0.7 MPa

Notes: This technical data in the product brochures are typical test results for reference, and should not be defined as minimum value.