

Technical Datasheet

Trade Name	Expond	Material Type: PP	Grade Name: PP C3322T-M15F
Feature		<ul style="list-style-type: none"> High Rigidity High Toughness High Melt Flow 	
Material Standard		<ul style="list-style-type: none"> WSS-M4D550-A12 	
Availability		<ul style="list-style-type: none"> North America/Asia-Pacific 	
Processing method		<ul style="list-style-type: none"> Injection Molding 	
Appearance		<ul style="list-style-type: none"> Colors Optional 	
Applications		<ul style="list-style-type: none"> Automotive Interior Parts 	

General Properties

No.	Properties	Unit	Result	Method	Test condition
1	Melt Flow	g/10min	20	ISO 1133-1	230 °C, 2.16Kg
2	Density	g/cm ³	1.05	ISO 1183-1	23 °C
3	Tensile Strength at Max Load	MPa	18	ISO 527-2	50 mm/min
4	Flexural Modulus	MPa	1750	ISO 178	2 mm/min, 64mm
5	Notched Impact Strength	kJ/m ²	47	ISO 179-1	23 °C
6	Notched Impact Strength	kJ/m ²	3.4	ISO 179-1	-40 °C
7	Filler Content	%	20	ISO 3451-1	850 ± 50 °C

Processing Conditions

Drying condition	<ul style="list-style-type: none"> 80 - 100 °C for 2 h
Injection Temp.	<ul style="list-style-type: none"> 230 - 210 °C (F), 220 - 200 °C (M), 200 - 180 °C (B)
Screw Speed	<ul style="list-style-type: none"> Low to Medium
Injection Press.	<ul style="list-style-type: none"> 50 - 80 MPa
Back Pressure	<ul style="list-style-type: none"> 0.3 - 1.0 MPa
Mold Temp.	<ul style="list-style-type: none"> 20 - 60 °C

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