



MASS ABS Product Manual

Integrated solution provider of the Mass ABS

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F332

Applications: Automobile interior components, Home appliances, Plastic Modification

Product Indicators

F332 is a general-purpose injection molding grade ABS material, featuring excellent fluidity, impact resistance and outstanding thermal stability.

Properties	Test Method	Test Condition	Nominal Value
• PHYSICAL PROPERTIES •			
Density	ISO 1183-1	23°C	1.04 g/cm ³
Melt Mass-Flow Rate (MFR)	ISO 1133	220°C/10kg	16 g/10min
Molding Shrinkage	ISO 294-4	23°C	0.4-0.7%
• MECHANICAL PROPERTIES •			
Tensile Strength at Yield	ISO 527	50 mm/min	48 MPa
Tensile Elongation at Break	ISO 527	50 mm/min	15%
Tensile Modulus	ISO 527	1mm/min	2350 MPa
Flexural Strength	ISO 178	2 mm/min	70 MPa
Flexural Modulus	ISO 178	2 mm/min	2200 MPa
Izod Notched Impact Strength	ISO 180	23°C, 5.5J	19 kJ/m ²
• THERMAL PROPERTIES •			
Deflection Temperature Under Load	ISO 75-2	1.8 MPa	83 °C
Vicat Softening Temperature	ISO 306	50N, 50°C/h	102 °C

The data are typical values for reference only and are not used as quality specifications or other purposes.

C442

Applications: Automobile interior components, Rearview mirror housing, Extruded profiles

Product Indicators

C442 is a low-residue, heat-resistant injection-grade ABS material. During the processing, it exhibits excellent fluidity, impact resistance, and outstanding thermal stability.

Properties	Test Method	Test Condition	Nominal Value
• PHYSICAL PROPERTIES •			
Density	ISO 1183-1	23°C	1.04 g/cm ³
Melt Mass-Flow Rate (MFR)	ISO 1133	220°C/10kg	9 g/10min
Molding Shrinkage	ISO 294-4	23°C	0.4-0.7%
• MECHANICAL PROPERTIES •			
Tensile Strength at Yield	ISO 527	50 mm/min	48 MPa
Tensile Elongation at Break	ISO 527	50 mm/min	15%
Tensile Modulus	ISO 527	1mm/min	2350 MPa
Flexural Strength	ISO 178	2 mm/min	75 MPa
Flexural Modulus	ISO 178	2 mm/min	2250 MPa
Izod Notched Impact Strength	ISO 180	23°C, 5.5J	16 kJ/m ²
• THERMAL PROPERTIES •			
Deflection Temperature Under Load	ISO 75-2	1.8 MPa	84 °C
Vicat Softening Temperature	ISO 306	50N, 50°C/h	105 °C

The data are typical values for reference only and are not used as quality specifications or other purposes.

L322

Applications: Automobile interior components, Home appliances & Modification, Household items & Toys

Product Indicators

L322 is a high-flow injection molding grade ABS material, featuring excellent fluidity, impact resistance and thermal stability.

Properties	Test Method	Test Condition	Nominal Value
• PHYSICAL PROPERTIES •			
Density	ISO 1183-1	23°C	1.04 g/cm ³
Melt Mass-Flow Rate (MFR)	ISO 1133	220°C/10kg	26 g/10min
Molding Shrinkage	ISO 294-4	23°C	0.4-0.7%
• MECHANICAL PROPERTIES •			
Tensile Strength at Yield	ISO 527	50 mm/min	48 MPa
Tensile Elongation at Break	ISO 527	50 mm/min	15%
Tensile Modulus	ISO 527	1mm/min	2400 MPa
Flexural Strength	ISO 178	2 mm/min	70 MPa
Flexural Modulus	ISO 178	2 mm/min	2200 MPa
Izod Notched Impact Strength	ISO 180	23°C, 5.5J, A缺	20 kJ/m ²
• THERMAL PROPERTIES •			
Deflection Temperature Under Load	ISO 75-2	1.8 MPa	78 °C
Vicat Softening Temperature	ISO 306	50N, 50°C/h	98 °C

The data are typical values for reference only and are not used as quality specifications or other purposes.

B432/E

Applications: Extruded or Co-extruded Sheets, Automobile interior components, Polymer Alloys

Product Indicators

B432/E is a general-purpose ABS resin. It features a good balance of rigidity and toughness, excellent liquidity, and outstanding thermal stability.

Properties	Test Method	Test Condition	Nominal Value
• PHYSICAL PROPERTIES •			
Density	ISO 1183-1	23°C	1.04 g/cm ³
Melt Mass-Flow Rate (MFR)	ISO 1133	220°C/10kg	9 g/10min
Molding Shrinkage	ISO 294-4	23°C	0.4-0.7%
• MECHANICAL PROPERTIES •			
Tensile Strength at Yield	ISO 527	50 mm/min	43 MPa
Tensile Elongation at Break	ISO 527	50 mm/min	20%
Tensile Modulus	ISO 527	1mm/min	2100 MPa
Flexural Strength	ISO 178	2 mm/min	60 MPa
Flexural Modulus	ISO 178	2 mm/min	2000 MPa
Izod Notched Impact Strength	ISO 180	23°C, 5.5J	19 kJ/m ²
• THERMAL PROPERTIES •			
Deflection Temperature Under Load	ISO 75-2	1.8 MPa	82 °C
Vicat Softening Temperature	ISO 306	50N, 50°C/h	102 °C

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B732/E

Applications: Auto applications & Modification, Profiles, Extruded or Co-extruded Sheets

Product Indicators

B732/E is a high impact resistance ABS resin. It features excellent processability, heat stability and high rigidity.

Properties	Test Method	Test Condition	Nominal Value
• PHYSICAL PROPERTIES •			
Density	ISO 1183-1	23°C	1.04 g/cm ³
Melt Mass-Flow Rate (MFR)	ISO 1133	220°C/10kg	7 g/10min
Molding Shrinkage	ISO 294-4	23°C	0.4-0.7%
• MECHANICAL PROPERTIES •			
Tensile Strength at Yield	ISO 527	50 mm/min	48 MPa
Tensile Elongation at Break	ISO 527	50 mm/min	15%
Tensile Modulus	ISO 527	1mm/min	2300 MPa
Flexural Strength	ISO 178	2 mm/min	70 MPa
Flexural Modulus	ISO 178	2 mm/min	2100 MPa
Izod Notched Impact Strength	ISO 180	23°C, 5.5J	25 kJ/m ²
Deflection Temperature Under Load	ISO 75-2	1.8 MPa	82 °C
Vicat Softening Temperature	ISO 306	50N, 50°C/h	103 °C

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M4

Applications: Automobiles & Transportation, Extruded or Co-extruded Sheets, Surface materials

Product Indicators

M4 is a type of matte extruded-grade ABS resin with a high stretch ratio and a smooth surface.

Properties	Test Method	Test Condition	Nominal Value
• PHYSICAL PROPERTIES •			
Density	ISO 1183-1	23°C	1.04 g/cm ³
Melt Mass-Flow Rate (MFR)	ISO 1133	220°C/10kg	9 g/10min
Molding Shrinkage	ISO 294-4	23°C	0.4-0.7%
• MECHANICAL PROPERTIES •			
Tensile Strength at Yield	ISO 527	50 mm/min	35 MPa
Tensile Elongation at Break	ISO 527	50 mm/min	80%
Tensile Modulus	ISO 527	1mm/min	1400 MPa
Flexural Strength	ISO 178	2 mm/min	46 MPa
Flexural Modulus	ISO 178	2 mm/min	1500 MPa
Izod Notched Impact Strength	ISO 180	23°C, 5.5J	10 kJ/m ²
• THERMAL PROPERTIES •			
Deflection Temperature Under Load	ISO 75-2	1.8 MPa	79 °C
Vicat Softening Temperature	ISO 306	50N, 50°C/h	101 °C
• OPTICAL PROPERTIES •			
Glossiness	ASTM D523-14	60°, GU	10°

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Haike Group

📍 Haike Building, No. 726, Beiyi Road, Dongying City, Shandong Province

Dongying production base

📍 500 meters east of the intersection of Haochun Road and Jiaxiang Road, Shikou Town, Dongying District, Dongying City, Shandong Province and north of the road

Dongying R&D Center

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Suzhou R&D Center

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