MAGNUM™ 342 EZ
ABS Resin

Overview

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MAGNUM™ 342EZ is a standard heat ABS. It is a reliable and cost effective solution for general covered interior automotive applications. MAGNUM™ 342EZ has high flow characteristics supporting part design freedom.

Benefits:

- Lot to lot consistency allowing for optimal machine parameters settings from the start
- Low VOC allowing a better interior air quality facing increasing regulatory and OEMs constraints.
- Heat stability during wide range of processing temperatures: enhanced part design freedom

Applications:

- General purpose covered interior automotive applications
- Mid-consoles
- Door liners
- Seat trims

Automotive Specifications

- FORD WSS-M4D483-C1
- FORD WSS-M4D827-C1
- STELLANTIS MS-DB-200 CPN 3457 Color: 90% Color Match
- TOYOTA TSM 5512G-2A
- FORD WSS-M4D827-A3
- GM GMW15572P-ABS-T1
- STELLANTIS MS-DB-200 CPN 508 Color: 90% Color Match

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.05	g/cm³	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)					ISO 1133
220°C/10.0 kg	23	g/10 min	23	g/10 min	
230°C/3.8 kg	6.0	g/10 min	6.0	g/10 min	
Molding Shrinkage	4.0E-3 to 7.0E-3	in/in	0.40 to 0.70	%	ISO 294-4
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus	268000	psi	1850	MPa	ISO 527-1/1
Tensile Stress (Yield)	5370	psi	37.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	3.0	%	ISO 527-2/50
Flexural Modulus [1]	305000	psi	2100	MPa	ISO 178
Flexural Stress [1]	8120	psi	56.0	MPa	ISO 178
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Charpy Notched Impact Strength					ISO 179/1eA
73°F (23°C), Injection Molded	6.7	ft·lb/in²	14	kJ/m²	
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Deflection Temperature Under Load					
66 psi (0.45 MPa), Annealed	194	°F	90.0	°C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	169	°F	76.0	°C	ISO 75-2/A
Vicat Softening Temperature	203	°F	95.0	°C	ISO 306/B50

Additional Information

Mass balance versions (bio-based (BIO) or chemically recycled (CR)) of this product are chemically and physically indistinguishable to the standard fossil grade. This technical data sheet applies to all versions. Letters of sameness are available upon request.

Injection	Nominal Value	(English)	Nominal Value	(SI)
Drying Temperature	176 to 194	°F	80 to 90	°C
Drying Time	2.0 to 4.0	hr	2.0 to 4.0	hr

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