MAGNUM™ 3616

ABS Resin

Trinseo

Message:

MAGNUM™ 3616 ABS resin is especially suitable for car interiors requiring ductility at ambient temperature. It combines good stiffness and impact strength whilst maintaining excellent heat resistance. The mass (continuous process) ABS technology ensures an ABS resin that combines excellent processability with a stable light base colour that is ideal for self colouring. Applications include: Instrument panel trim, mid console and door panels.

General Information			
Features	Ductile Good Processability Good Stiffness High Heat Resistance High Impact Resistance		
Uses	Automotive Applications Automotive Instrument Panel Automotive Interior Trim		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.05	g/cm³	ISO 1183/B
Apparent Density	0.65	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.5	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.70	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress (Yield)	38.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus [1]	2100	MPa	ISO 178
Flexural Stress [2]	65.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m²	
23°C	25	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Annealed)	95.0	°C	ISO 75-2/A
Vicat Softening Temperature	107	°C	ISO 306/B50

NOTE	
1.	2.0 mm/min
2.	2.0 mm/min

Recommended distributors for this material

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