MAGNUM[™] 3525

ABS Resin

Trinseo

Message:

MAGNUM* 3525 is a resin with excellent processing characteristics. 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 Matt/unpainted interior automotive trim Door liners Dashboard components Pillar covers Consoles Glove boxes

General Information	
Features	Good Processability
Uses	Automotive Applications
	Automotive Interior Trim
	Liners

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)	11	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (3.20 mm, Injection			
Molded)	2200	MPa	ISO 527-2
Tensile Stress			
Yield, 3.20 mm, Injection Molded	43.0	MPa	ISO 527-2/50
Yield, 3.20 mm, Injection Molded	44.0	MPa	ISO 527-2/100
Tensile Strain (Yield, 3.20 mm, Injection			ISO 527-2/50, ISO
Molded)	3.3	%	527-2/100
Flexural Modulus (3.20 mm, Injection			
Molded)	2100	MPa	ISO 178
Flexural Stress (3.20 mm, Injection Molded)	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
-30°C, Injection Molded	11	kJ/m²	ISO 179/1eA
-30°C, Injection Molded	8.0	kJ/m²	ISO 179/2C

23°C, Injection Molded	17	kJ/m²	ISO 179/1eA
23°C, Injection Molded	12	kJ/m²	ISO 179/2C
Notched Izod Impact Strength			ISO 180/A
-30°C, Injection Molded	10	kJ/m²	
23°C, Injection Molded	17	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			ISO 75-2/A
1.8 MPa, Unannealed	78.0	°C	
1.8 MPa, Annealed	101	°C	
Flammability	Nominal Value	Unit	Test Method
Burning Rate ¹ (2.00 mm)	60	mm/min	ISO 3795
Flame Rating ²			UL 94
1.50 mm	НВ		
3.00 mm	НВ		
NOTE			
1.	This rating not intended to reflect hazards presented by this or any other material under actual fire conditions.		
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