

Sorona® 2045G BK346A

RENEWABLY SOURCED™ THERMOPLASTIC POLYMER*

DuPont Performance Polymers

Message:

45% Glass Reinforced Polytrimethylene Terephthalate

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.74	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	10.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.50	%	
Flow	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16000	MPa	ISO 527-2
Tensile Stress (Break)	180	MPa	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	215	°C	ISO 75-2/A
Melting Temperature ¹	227	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
Fill Analysis	Nominal Value	Unit	
Melt Density	1.51	g/cm ³	
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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