

# Celanex® 6402R

Polybutylene Terephthalate

Celanese Corporation

## Message:

Celanex 6402R is a 40% Glass/ mineral filled polyester with 25% Post Consumer Recycled content. It is available in natural, black and various colors including metallic colors.

General Information	
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight
Recycled Content	Yes,25%
RoHS Compliance	Contact Manufacturer
Appearance	Black
	Colors Available
	Metallized - Colors
	Natural Color

Physical	Nominal Value	Unit	Test Method
Density	1.66	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.50	%	
Flow	0.10	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	147	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.1	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	12500	MPa	ISO 178
Flexural Stress (23°C)	220	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A

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Recommended distributors for this material

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