

# Petlon R-Prime B3-G50-00-BK

Polyamide 66  
Petlon Polymers Ltd

Message:  
100% Recycled Nylon 66, 50% Glass Reinforced, Black Compound.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Recycled Content	Yes,100%		
Appearance	Black		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.20 to 0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	180	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	12	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	65	kJ/m <sup>2</sup>	ISO 179/1eU
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	280 to 315	°C	
Mold Temperature	70.0 to 120	°C	

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