

# Knorstan™ 4030R30 Bk-1

Polyphenylene Ether + PS

Technical Polymers, LLC

## Message:

Knorstan™ 4030R30 Bk-1 is a Polyphenylene Ether + PS (PPE+PS) material filled with 30% glass fiber. It is available in North America for injection molding. Primary attribute of Knorstan™ 4030R30 Bk-1: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	100	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0 to 4.0	%	ASTM D638
Flexural Modulus (23°C)	6890	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	159	°C	
1.8 MPa, Unannealed	138	°C	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	104 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Processing (Melt) Temp	293 to 316	°C	
Mold Temperature	71.1 to 98.9	°C	

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Recommended distributors for this material

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