

Duron PPS 4010 GZ-BK

Polyphenylene Sulfide

ProPolymers Inc.

Message:

Duron PPS 4010 GZ-BK is a polyphenylene Sulfide resin designed for wear resistance and reduced friction. It offers a superior combination of mechanical, electrical, and thermal properties. It provides outstanding processability and chemical resistance.

General Information			
Features	Workability, good		
	Good chemical resistance		
	Good wear resistance		
	Heat resistance, high		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.20	%	ASTM D955
Transverse flow	0.50	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	169	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	1.5	%	ASTM D638
Fracture	1.5	%	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Unnotched Izod Impact	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	266	°C	ASTM D648

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Recommended distributors for this material

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