

# Ryton® PPS Powder NGP B

## Syensqo - Polyphenylene Sulfide

### General Information

#### Product Description

Ryton® PPS Powder NGP B is a glass fiber & mineral reinforced polyphenylene sulfide compound that provides enhanced mechanical strength and low maintenance molding using conventional molding equipment.

#### General

Filler / Reinforcement	• Glass Fiber\Mineral
Features	• Chemical Resistant • Good Strength
Uses	• Electrical/Electronic Applications
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Powder
Processing Method	• Injection Molding

### Properties <sup>1</sup>

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.32E+6 to 3.48E+6	psi	ISO 527-1
Tensile Strength	16000 to 27600	psi	ASTM D638
Tensile Stress	17400 to 29000	psi	ISO 527-2
Tensile Elongation (Break)	0.80 to 1.2	%	ASTM D638
Tensile Strain (Break)	0.80 to 1.6	%	ISO 527-2
Flexural Modulus	2.10E+6 to 2.80E+6	psi	ASTM D790
Flexural Modulus	2.03E+6 to 2.76E+6	psi	ISO 178
Flexural Strength	29000 to 39900	psi	ASTM D790
Flexural Stress	27600 to 41300	psi	ISO 178
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	• V-0 • 5VA		UL 94
Oxygen Index	45 to 65	%	ASTM D2863