

# Ryton® V-1

## Syensqo - Polyphenylene Sulfide

### General Information

#### Product Description

Ryton® Polyphenylene Sulfide (PPS) resins are available in several grades exhibiting different molecular weights and molecular architecture. Ryton® PPS exhibits excellent thermal stability and chemical resistance and is suitable for a variety of applications including coatings, compounds, and extrusion.

#### General

Features	<ul style="list-style-type: none"> <li>• Chemical Resistant</li> <li>• Good Thermal Stability</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Coating Applications</li> <li>• Compounding</li> </ul>
RoHS Compliance	<ul style="list-style-type: none"> <li>• RoHS Compliant</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>• Off-White</li> </ul>
Forms	<ul style="list-style-type: none"> <li>• Powder</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• Coating</li> <li>• Extrusion</li> <li>• Compounding</li> <li>• Extrusion Coating</li> </ul>

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Melt Mass-Flow Rate (MFR) <sup>2</sup> (315°C/5.0 kg)	5000	g/10 min	ASTM D1238
Ash Content	0.80	wt%	
Average Particle Size	50	µm	Internal Method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	541	°F	ISO 11357-3

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Procedure B