

Ryton® V-1

polyphenylene sulfide

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

Material Status	• Commercial: Active	
Availability	• Asia Pacific • Europe	• Latin America • North America
Features	• Chemical Resistant	• Good Thermal Stability
Uses	• Coating Applications	• Compounding
RoHS Compliance	• RoHS Compliant	
Appearance	• Off-White	
Forms	• Powder	
Processing Method	• Coating • Compounding	• Extrusion • Extrusion Coating

Physical

	Typical Value	Unit	Test method
Density / Specific Gravity	1.34		ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (315°C/5.0 kg)	5000	g/10 min	ASTM D1238
Ash Content	0.80	wt%	
Average Particle Size	50	µm	Internal Method

Thermal

	Typical Value	Unit	Test method
Melting Temperature	283	°C	ISO 11357-3

Notes

Typical properties: these are not to be construed as specifications.

¹ Procedure B

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Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

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