

For more information and technical assistance contact:

Chevron Phillips Chemical Company LP  
P.O. Box 4910  
The Woodlands, TX 77387-4910  
877.798.6666



## Ryton<sup>®</sup> PPS Coating Resins

Ryton<sup>®</sup> Polyphenylene Sulfide (PPS) resins used for coatings are finely divided powders having a modest molecular weight and high melt flow. The powders (neat or mixed with other components) may be applied using slurry or electrostatic spray methods, and then fused and cured (cross-linking and chain extension) at temperatures from 600°F (316°C) to 800°F (427°C) to form high temperature, non-stick, corrosion resistant coatings. For further information on Ryton<sup>®</sup> PPS Coatings, request Ryton<sup>®</sup> PPS TSM-275 *High Temperature, Non-Stick, Corrosion Resistant Coatings of Ryton<sup>®</sup> Polyphenylene Sulfide*.

Grade	Melt Flow <sup>1</sup> , g/10 min	Ash, wt%	Particle Size, wt% passing		Color
			35 mesh	60 mesh	
V-1	5,000	0.8	99.8	99.5	off white
PR11	5,000	0.8	99	95	off white
P-6	380	0.8	95	90	tan

(1) ASTM D1283, Procedure B – 600°F (316°C) Melt Temperature, 5 kg weight

(2) Some powders may be available only in limited quantities. Off-gas products produced during processing can be irritants to mucous membranes, therefore adequate ventilation is recommended.

(3) A number of manufacturers supply ready to use Ryton<sup>®</sup> PPS coating formulations for specific purposes. Those manufacturers provide their own application instructions, curing recommendations, and technical service.

The nominal properties reported herein are typical of the product but do not reflect normal testing variances and therefore should not be used for specification purposes.

MSDS #104720

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Another quality product from



Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.