Arolux™ PPS

Polyphenylene Sulfide

Westlake Plastics Company

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Technical Data

Product Description
Arolux™ PPS Polyphenylene Sulfide is a high performance, semi-crystalline thermoplastic that is inherently flame retardant and offers resistance to organic solvents and a wide range of acids even at elevated temperatures. Arolux™ PPS is a good choice for bearing and wear applications, and with a continuous use temperature over 420?, is well-suited for structural applications that operate at elevated temperatures.

General			
Material Status	• Commercial: Active		
Literature [1]	• Technical Datasheet (English)		
Search for UL Yellow Card	• Westlake Plastics Company		
Availability	• North America		
Features	• Acid Resistant • Chemical Resistant • Flame Retardant	• Good Electrical Properties • Good Heat Resistance • Semi Conductive	• Semi Crystalline • Wear Resistant
Uses	• Engineered Applications • Rods	• Semiconductor Applications • Structural Parts	
Appearance	• Black		
Processing Method	• Extrusion		

Physical	Nominal Value	Unit	Test Method
Water Absorption (24 hr)	0.10	%	ASTM D570
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	130	°C	
1.8 MPa, Unannealed	95.0	°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+4	ohms·cm	ASTM D257

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

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

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