



Material Data Sheet

Product: Polyphenylene -ether/ Polyamide	Base Material: Film
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Description

Polyphenylene -ether/ Polyamide (PPE/PA) exhibits an excellent balance of non- halogenated flame retardance, dimensional stability, high heat resistance, strength, and flow.

Typical Properties

<u>Physical Properties</u>	<u>Test Method</u>	<u>Unit</u>	<u>Value</u>
Specific Gravity	ASTM D-792	g/cc	1.21
Moisture Absorption at Equilibrium	23 C/ 50% RH ISO 62	%	0.500
Water Absorption at Saturation	ISO 62	%	3.80
<u>Mechanical Properties</u>			
Tensile	5 mm/min ISO 527	psi	12,800
Elongation at Break	5 mm/min ISO 527	%	7.00
Tensile Modulus	5 mm/min ISO 638	ksi	725
Flexural Modulus	1.3 mm/min, 50 mm span, ASTM D-790	ksi	667
<u>Electrical Properties</u>			
Volume Resistivity	ASTM D-257	ohm-cm	1.00e+16
Dielectric Strength, in air	ASTM D-149	kV/in	589
High Amp Arc Ignition, HAI	surface,UL746A	arcs	>=120
Flammability	UL94	@thickness 0.0315 in	V-1
Glow Wire Test	IEC 60695-2-12	°F	1,520

The information presented in this publication is believed to be accurate and is not intended to constitute a specification. The values given reflect average material characteristics and may vary slightly between base suppliers. Users should evaluate the material to determine the suitability for their own particular application.

Base on terms and conditions

Seller's only obligation shall be to replace such quantity of the product proven to be defective. Seller shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use, or inability to use the product for his/her use, and the user assumes all risk and liability whatsoever in connection therewith. The foregoing may not be changed, except by an agreement signed by an officer or seller. We hereby certify that goods covered by this quotation have been produced in compliance with the Fair Labor Standards Act of 1983, as amended. Any credit memos to purchaser shall expire if not used within one year from date of credit memo.

