

## Malvern Minerals Diallylphthalate with Methallylate Silane Treated Novakup<sup>®</sup> 1250 Quartz Filler

Category : Polymer , Thermoset , Diallyl Phthalate (DAP)

### Material Notes:

Product data demonstrates the effect of the Novakup<sup>®</sup> (lamellar quartz surface treated with 1.0% Z-6030 methallylate silane) filler. Separate entries demonstrate the effect of untreated Novacite<sup>®</sup> filler in DAP and vinyl silane surface treatment. The specific DAP used is Dapon 35 Resin. Information provided by Malvern Minerals Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Malvern-Minerals-Diallylphthalate-with-Methallylate-Silane-Treated-Novakup-1250-Quartz-Filler.php](http://www.lookpolymers.com/polymer_Malvern-Minerals-Diallylphthalate-with-Methallylate-Silane-Treated-Novakup-1250-Quartz-Filler.php)

Physical Properties	Metric	English	Comments
Water Absorption	0.16 %	0.16 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	108	108	
Flexural Strength	82.7 MPa	12000 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	151 Â°C	304 Â°F	Heat Deflection, load unknown

Electrical Properties	Metric	English	Comments
Insulation Resistance	6.00e+15 ohm	6.00e+15 ohm	Wet; after 16 hours at 130Â°C
Dielectric Constant	3.7	3.7	Dry
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	3.8	3.8	
Dielectric Constant	@Frequency 1000 Hz	@Frequency 1000 Hz	Dry
	3.8	3.8	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Constant	3.9	3.9	Wet
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.0060	0.0060	
Dissipation Factor	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	Dry

Electrical Properties	Metric	English	Comments
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	Wet
	0.010	0.010	Dry
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.017	0.017	Wet
	@Frequency 1000 Hz	@Frequency 1000 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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