

Unitika UM-8430RG

Category : Polymer , Thermoplastic , Polyarylate

Material Notes:

Characteristics: High dimensional accuracy (circularity and planarity) Large warping resistance Low linear expansion coefficient
Information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-UM-8430RG.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Thickness 3.00 mm	0.0030 in/in @Thickness 0.118 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength at Break	63.0 MPa	9140 psi	ASTM D638
Elongation at Break	16 %	16 %	ASTM D638
Flexural Strength	106 MPa	15400 psi	ASTM D790
Flexural Modulus	4.30 GPa	624 ksi	ASTM D790
Izod Impact, Notched	0.430 J/cm @Thickness 3.17 mm	0.806 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	23.0 µm/m-°C	12.8 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+13 ohm-cm	5.00e+13 ohm-cm	ASTM D257
Dielectric Strength	17.0 kV/mm	432 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	230 - 250 °C	446 - 482 °F	
Middle Barrel Temperature	240 - 260 °C	464 - 500 °F	

Processing Properties	Metric	English	Comments
Front Barrel Temperature	250 - 270 °C	482 - 518 °F	
Nozzle Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	actual surface temp
Drying Temperature	100 °C	212 °F	
Dry Time	10.0 - 24.0 hour	10.0 - 24.0 hour	
Back Pressure	0.490 - 1.47 MPa	71.1 - 213 psi	gage pressure

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China