

Vistek 1861 U

Thermoplastic Polyurethane Elastomer

Visual Polymer Technologies, LLC

Message:

Vistek 1861 U is a thermoplastic polyurethane elastomer material. This product is available in North America.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.8	MPa	ASTM D638
Tensile Elongation (Break)	33	%	ASTM D638
Flexural Modulus	1630	MPa	ASTM D790
Flexural Strength (Yield)	44.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.9	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003
Haze	4.4	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	71.1	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	193 - 232	°C	
Middle Temperature	193 - 232	°C	
Front Temperature	193 - 232	°C	
Mold Temperature	26.7 - 54.4	°C	
Injection instructions			

Pre-drying is typically not needed. In excessive humidity, pre-dry at 160° F for 2 to 4 hours.Back Pressure: Medium to High

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Recommended distributors for this material

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