RenPIM® VG 5283 Polyol/ 5281 Isocyanate

Polyurethane

Huntsman Advanced Materials

Message:

A fast curing 2-component Polyurethane casting system for use in vacuum casting equipment to simulate the appearance and physical properties of a wide range of engineering thermoplastics for rapid prototyping or short series production.
RenPIM® Vacuum Grade allows you to produce thermoplastic like parts without the high cost of steel moulds and press.
Parts are made within minutes at low cost giving you time and cost savings.
The high quality parts made from RenPIM® Vacuum Grade are dimensionally stable and accurately reproduce fine surface detail and textures.
You can choose materials from a clear and concise product range at competitive prices to suit your requirements.
The products are well proven, thoroughly tested and endorsed by MCP.

General Information			
Features	Good Colorability		
	Good Dimensional Stability		
	Resilient		
	Tack Free		

Appearance	White		
Forms	Pellets		
Processing Method	Vacuum Casting		

Hardness	Nominal Value		Test Method
Shore Hardness (Shore A)	90		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	22.4	MPa	ISO 527-2
Tensile Strain (Break)	130	%	ISO 527-2
Flexural Modulus	441	MPa	ISO 178

Thermoset	Nominal Value	Unit	
Pot Life (40°C)	5.0 to 10	min	
Demold Time (70°C)	120	min	

Additional Information	Nominal Value	Unit	
Maximum Layer Thickness	1.00	cm	
Mixing Ratio	100:70		

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Recommended distributors for this material

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