RenPIM® VG 5281 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	Amber		
Forms	Pellets		
Processing Method	Vacuum Casting		
Hardness	**Nominal Value**		**Test Method**
Shore Hardness [1] (Shore A)	45		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	0.750 to 1.67	MPa	ISO 527-2
Tensile Strain (Break)	72 to 80	%	ISO 527-2
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	100:25 to 100:30		
NOTE			
1.	Range: 40 to 50 A		

Recommended distributors for this material

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