RenPIM® VG 5286 Polyol/ 5286 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 Dimensional Stability High Heat Resistance		
Appearance	Black		
Forms	Pellets		
Processing Method	Vacuum Casting		
Hardness	**Nominal Value**		**Test Method**
Shore Hardness (Shore D, 23°C)	80		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	14	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Thermoset	**Nominal Value**	**Unit**	
Pot Life (40°C)	6.0	min	
Demold Time (70°C)	45	min	
Additional Information	**Nominal Value**	**Unit**	
Maximum Layer Thickness	1.00	cm	
Mixing Ratio	100:150		

Recommended distributors for this material

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