# RenPIM® VG 5282 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) | 65 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Break) | 2.62 to 4.29 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 85 to 92 | % | 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 | 100:35 to 100:40 | | |
| NOTE | | | |
| 1. | Range: 60 to 70 A | | |

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

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WECHAT