

Viprene™ P40D-22U-NAT

Thermoplastic Vulcanizate

Alliance Polymers & Services

Message:

Viprene™ P40D-22U-NAT is a UV and Heat Stabilized TPV (thermoplastic vulcanizate elastomer). This material can be easily procesed by extrusion or injection molding. It exhibits easy flowing characteristics.

| General Information | | | |
|-------------------------------|--------------------|-------------------|-------------|
| Additive | Heat Stabilizer | | |
| | UV Stabilizer | | |
| Features | Good Flow | | |
| | Good UV Resistance | | |
| | Heat Stabilized | | |
| Appearance | Natural Color | | |
| Forms | Pellets | | |
| Processing Method | Extrusion | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.940 | g/cm ³ | ISO 2781 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness | | | ISO 868 |
| Shore A | 92 | | |
| Shore D | 40 | | |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ISO 37 |
| 100% Strain | 8.00 | MPa | |
| 300% Strain | 10.8 | MPa | |
| Tensile Stress (Break) | 15.0 | MPa | ISO 37 |
| Tensile Elongation (Break) | 500 | % | ISO 37 |
| Tear Strength | 88 | kN/m | ISO 34-1 |
| Compression Set (70°C, 22 hr) | 38 | % | ASTM D395B |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | -60.0 | °C | ASTM D746 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | | | UL 94 |
| 1.00 mm | HB | | |
| 1.50 mm | HB | | |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

