

PMC® 770

Polyurethane

Smooth-On, Inc

Message:

PMC®-770 is a Shore 70A addition to our line of industrial liquid rubber products (such as PMC®-780 and PMC®-790) used for a variety industrial and casting applications. Mixed two parts A to one part B by weight, PMC®-770 pours easily and cures at room temperature to a solid Shore 70A rubber that has exceptional performance characteristics and dimensional stability.

It is suitable for production casting of abrasive materials such as concrete (pre-cast concrete, making concrete stamping pads, etc.) and gypsum plasters with high exotherms. It is also suitable for rubber mechanical parts of varying configurations (gaskets, wheels, pulleys) as well as ball mill liners and vibration/shock pads.

| General Information | | | |
|------------------------------|----------------------------|-------|-------------|
| Features | Good Dimensional Stability | | |
| Uses | Gaskets | | |
| | Industrial Applications | | |
| | Liners | | |
| | Pulleys | | |
| | Shock Absorbing Pads | | |
| | Wheels | | |
| Appearance | Amber | | |
| Forms | Liquid | | |
| Processing Method | Casting | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.04 | g/cm³ | ASTM D1475 |
| Specific Volume | 0.957 | cm³/g | |
| Mixing Ratio | 2A:1B by weight | | |
| Molding Shrinkage - Flow | < 0.10 | % | ASTM D2566 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 70 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain) | 1.72 | MPa | ASTM D412 |
| Tensile Strength (Break) | 5.17 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 750 | % | ASTM D412 |
| Tear Strength ¹ | 35.0 | kN/m | ASTM D624 |
| Thermoset | Nominal Value | Unit | Test Method |
| Pot Life (23°C) | 30 | min | ASTM D2471 |
| Thermoset Mix Viscosity | 3000 | cP | ASTM D2393 |
| Demold Time (23°C) | 960 | min | |
| NOTE | | | |
| 1. | Die C | | |

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