Santoprene with a hardness of 78 Shore A

Santoprene with a hardness of 78 Shore A typically refers to ExxonMobil TPV (Thermoplastic Vulcanizate) grades such as Santoprene 101-73 or Santoprene 201-73, for which the actual measured Shore A hardness is 78 (measured after 15 seconds in accordance with ISO 868 / ISO 48-4).

Key Properties of Santoprene 78 Shore A (e.g., 101-73 / 201-73)

- Hardness: 78 Shore A
- Density: Approximately 0.97 g/cm³
- Tensile Strength: Approximately 8.3–8.8 MPa (1,200–1,280 psi)
- Elongation at Break: Approximately 490%
- Temperature Range: Usable from approximately −60°C (brittleness temperature) up to 125–135°C for continuous service.
- Processing: Suitable for injection molding, extrusion, and blow molding. Requires drying at approximately 80–82°C for 3 hours before processing. Incompatible with acetal and PVC.
- Typical Applications: Automotive seals, gaskets, bellows, damping plugs, grips, industrial hoses, and other industrial components.

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