

EVOPRENE G 970

Alphagary - Styrene Ethylene Butylene Styrene Block Copolymer

General Information

General

| | |
|-------------------|---------------------|
| Features | • Block Copolymer |
| Processing Method | • Injection Molding |

Properties¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|--------------------|-----------------|
| Density (73°F) | 0.900 | g/cm ³ | ISO 2781 |
| Flow Rating (356°F) | 12 | kg/cm ² | Internal Method |
| Mechanical | Nominal Value | Unit | Test Method |
| Abrasion Resistance (73°F) | 120 | mm ³ | ISO 53516 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain, 73°F) | 493 | psi | ISO 37 |
| Tensile Stress (300% Strain, 73°F) | 769 | psi | ISO 37 |
| Tensile Stress (Yield, 73°F) | 1460 | psi | ISO 37 |
| Tensile Elongation (Break, 73°F) | 500 | % | ISO 37 |
| Tear Strength (73°F) | 228 | lbf/in | ISO 6383 |
| Compression Set | | | ISO 815 |
| 73°F, 72 hr | 29 | % | |
| 158°F, 22 hr | 30 | % | |
| 212°F, 22 hr | 48 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A, 73°F) | 73 | | ISO 868 |
| Aging | Nominal Value | Unit | Test Method |
| Change in Tensile Strength in Air (257°F, 336 hr) | 68 | % | ISO 188 |
| Change in Tensile Strain at Break in Air | | | ISO 188 |
| 257°F, 336 hr | 15 | % | |
| Change in Shore Hardness in Air (257°F, 336 hr) | -4.0 | | ISO 188 |