

EVOPRENE SUPER G 948

Alphagary - Styrene Ethylene Butylene Styrene Block Copolymer

General Information

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

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|--------------------|-----------------|
| Density (73°F) | 1.08 | g/cm ³ | ISO 2781 |
| Flow Rating (356°F) | 18 | kg/cm ² | Internal Method |
| Mechanical | Nominal Value | Unit | Test Method |
| Abrasion Resistance (73°F) | 500 | mm ³ | ISO 53516 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain, 73°F) | 203 | psi | ISO 37 |
| Tensile Stress (300% Strain, 73°F) | 537 | psi | ISO 37 |
| Tensile Stress (Yield, 73°F) | 1070 | psi | ISO 37 |
| Tensile Elongation (Break, 73°F) | 510 | % | ISO 37 |
| Tear Strength (73°F) | 114 | lbf/in | ISO 6383 |
| Compression Set | | | ISO 815 |
| 73°F, 72 hr | 12 | % | |
| 158°F, 22 hr | 18 | % | |
| 212°F, 22 hr | 33 | % | |
| 212°F, 72 hr | 35 | % | |
| 212°F, 168 hr | 40 | % | |
| 212°F, 1000 hr | 49 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A, 73°F) | 46 | | ISO 868 |
| Aging | Nominal Value | Unit | Test Method |
| Change in Tensile Strength in Air | | | ISO 188 |
| 257°F, 336 hr | 23 | % | |
| 302°F, 168 hr | -13 | % | |
| Change in Tensile Strain at Break in Air | | | ISO 188 |
| 257°F, 336 hr | -1.0 | % | |
| 302°F, 168 hr | -7.0 | % | |
| Change in Shore Hardness in Air | | | ISO 188 |
| 257°F, 336 hr | -3.0 | | |
| 302°F, 168 hr | 0.0 | | |