

Solprene® 1430

Solution Styrene Butadiene Rubber

Dynasol Elastomers

Message:

Solprene 1430 is a high molecular weight linear random -block styrene-butadiene copolymer having 40% of styrene content, 30% present as a polystyrene block.

A choice of either BHT free or phosphite free non-staining antioxidant systems is available, all FDA approved for use in food contact applications. It is a high purity polymer, essentially gel free with a very clear color.

S-1430 is used as elastomeric impact modifier for plastics, especially in high gloss HIPS by the "in situ" polymerization process. It is also used in vulcanized shoe soles giving high hardness, flexibility and abrasion resistance with good processability.

It is available in bales wrapped in rubber modified polystyrene film soluble in styrene monomer.

| General Information | | | |
|---|--------------------------------------|-------------------|-----------------|
| Additive | Antioxidant | | |
| Features | Antioxidant | | |
| | Food Contact Acceptable | | |
| | Good Abrasion Resistance | | |
| | Good Flexibility | | |
| | Good Processability | | |
| | High Clarity | | |
| | High Hardness | | |
| | High Molecular Weight | | |
| | High Purity | | |
| | Linear Polymer Structure | | |
| | Low Gel | | |
| | Random Copolymer | | |
| Uses | Footwear | | |
| | Plastics Modification | | |
| Agency Ratings | FDA Food Contact, Unspecified Rating | | |
| Appearance | Clear/Transparent | | |
| Forms | Bale | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.938 | g/cm ³ | DIN 53479 |
| Bound Styrene ¹ | 40.0 | % | Internal Method |
| Ash Content | < 0.20 | % | ASTM D1416 |
| Color - Apha ² | < 10 | | |
| Polystyrene Content ³ | 31 | % | |
| Solution Viscosity - 5% in styrene ⁴ | 43 | mPa · s | |
| Volatile Matter | < 0.75 | % | ASTM D5668 |
| Insolubles ⁵ | < 0.030 | % | |

| NOTE | |
|------|-----------|
| 1. | NM 202-27 |
| 2. | NM 300-33 |
| 3. | NM 202-27 |
| 4. | NM 300-32 |
| 5. | NM 300-15 |

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