

Tuftec™ M1913

Styrene Ethylene Butylene Styrene Block Copolymer
AKelastomers

Message:

Polymer with molecular chain bearing highly reactive functional groups, imparting high mechanical strength without impairing flowability. High-quantity functional group content, enabling effective modification of engineering plastics and heightening of adhesion to metals and other plastics with small quantity of M1913 addition. It is supplied in pellet form.

Applications:

Modification of polyamides (PA) and other engineering plastics, for high impact strength. Compatibilization. Adhesives and sealants component.

| General Information | | | |
|--|-----------------------|-------------------|-----------------|
| Features | Good Adhesion | | |
| | Good Flow | | |
| | High Reactivity | | |
| Uses | Adhesives | | |
| | Plastics Modification | | |
| | Sealants | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.920 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.0 | g/10 min | ISO 1133 |
| Acid Number - mg CH ₃ ONa/g polymer | 10.00 | | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 84 | | ISO 7619 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (300% Strain) | 4.40 | MPa | ISO 37 |
| Tensile Stress ¹ (Break) | 22.0 | MPa | ISO 37 |
| Tensile Elongation ² (Break) | 600 | % | ISO 37 |
| NOTE | | | |
| 1. | Type 1A, 500 mm/min | | |
| 2. | Type 1A, 500 mm/min | | |

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