

Technical Data Sheet

Icorene 9402 BLK 9000



Thermoplastic Elastomer

Product Description

Icorene 9402 is a thermoplastic elastomer specifically developed for rotational moulding in collaboration with API Spa. This grade offers optimum cold and hot elasticity with UV resistance. It has an excellent appearance with excellent soft touch properties. *Icorene* 9402 is a tough material which will not break @ -40°C impact strength.

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|--------------------------|---|
| Processing Method | Rotomolding |
| Attribute | High Elasticity; Soft; UV Resistant |
| Forms | Powder |
| Appearance | Natural Color; Unspecified Color |
| Additive | UV Stabilizer |
| Application | Furniture; High Temperature Applications; Outdoor Furnishings |

| Typical Properties | Nominal Value | Units | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (220 °C/2.16 kg) | 30 | g/10 min | ISO 1133 |
| Density | 0.89 | g/cm ³ | ISO 1183 |
| Mechanical | | | |
| Tensile Elongation at Yield | 30 | % | ASTM D638 |
| Tensile Strength at Break | >8.00 | MPa | ASTM D638 |
| Tensile Strain at Break | >2000 | % | ASTM D638 |
| Flexural Modulus | 100 | MPa | ASTM D790 |
| Hardness | | | |
| Durometer Hardness, (Shore A) | 74 | | ASTM D2240 |