

Technical Data Sheet

Icorene 2550 GRN 6218

Linear Low Density Polyethylene

Product Description

Icorene 2550 is a linear low density polyethylene powder specifically developed for rotational moulding. This grade has been designed for applications requiring good processability, toughness and flexibility and is suitable in many different applications.

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|-------------------|---|
| Processing Method | Rotomolding |
| Attribute | Good Flexibility; Good Processability; Good Toughness; UV Resistant |
| Forms | Powder |
| Appearance | Natural Color; Unspecified Color |
| Additive | UV Stabilizer |
| Application | Flotation Devices; Furniture; Outdoor Furnishings |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (190 °C/2.16 kg) | 3.6 | g/10 min | ASTM D1238 |
| Density | 0.924 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Tensile Strength at Yield | 16 | MPa | ASTM D638 |
| Tensile Strength at Break | 11 | MPa | ASTM D638 |
| Flexural Modulus | 440 | MPa | ASTM D790 |
| Tensile Elongation at Break | >1000 | % | ASTM D638 |
| Impact | | | |
| Drop Impact Resistance, (-20 °C, Internal Method) | 200 | J/cm | ASTM D4226 |
| Hardness | | | |
| Durometer Hardness, (Shore D) | 52 | | ASTM D2240 |