# Ultrason® E 2020 P

PESU BASF

Polyethersulfone flakes, e.g. for membrane applications, coatings and membranes. The product is soluable in N-Methylpyrrolidone (NMP) and N,N- Dimethylacetamide. The product is not developed for injection moulding.
Abbreviated designation according to ISO 1043-1: PESU

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **ASTM Data** | | | |
| Density, 73°F | 1370 | kg/m³ | ASTM D 792 |

| Mechanical Properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Tensile Modulus | - / 2640 | MPa | ISO 527 |
| Yield stress | - / 88 | MPa | ISO 527 |
| Yield strain | - / 6.9 | % | ISO 527 |
| Impact Strength (Charpy), +23°C | - / no break | kJ/m² | ISO 179/1eU |
| Notched Impact Strength (Charpy), +23°C | - / 7 | kJ/m² | ISO 179/1eA |
| **ASTM Data** | | | |
| Flexural Modulus | 2599 / - | MPa | ASTM D 790 |

| Thermal Properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Glass Transition Temperature (10°C/min) | 225 / * | °C | ISO 11357-1/-2 |
| Temp. of deflection under load (1.80 MPa) | 205 / * | °C | ISO 75-1/-2 |

| Other Properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Humidity absorption | 1 / * | % | Sim. to ISO 62 |

| Material Specific Properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Viscosity number | 56 / * | cm³/g | ISO 307, 1157, 1628 |

## Characteristics

**Processing**
Coating

**Delivery form**
Powder, Natural Color

## Chemical Media Resistance

### Acids

✔ Acetic Acid (5% by mass) (23°C)

## Disclaimer

**Liability Exclusion**
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