

Ultrason® E 6020 P PESU

BASF

Polyethersulfone flakes, e.g. for membrane applications and coatings.
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	- / 2650	MPa	ISO 527
Yield stress	- / 85	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	- / 7.5	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)	207 / *	°C	ISO 75-1/-2
ASTM Data			
Melting Temperature	225	°C	ASTM D 3418
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	81 / *	cm³/g	ISO 307, 1157, 1628

Characteristics

Processing

Injection Molding

Delivery form

Powder, Natural Color

Chemical Media Resistance

Acids

✓ Acetic Acid (5% by mass) (23 °C)

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
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