

Ultrason® E 2020 P PESU

BASF

Polyethersulfone flakes, e.g. for membrane applications, coatings and membranes. The product is soluble 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)