

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)