

BASF Ultrason E 2020 P PES

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

Ultrason E 2020 P is an unfilled, injection molding PES grade. Polyethersulfone flakes, for solvent based processes; product is soluble e.g. in N-Methylpyrrolidone and N,N-Dimethylacetamide.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultrason-E-2020-P-PES.php

Physical Properties	Metric	English	Comments
Moisture Absorption at Equilibrium	1.0 %	1.0 %	23°C/50% R.H.; Equilibrium; ISO 62
Viscosity Test	56 cm ³ /g	56 cm ³ /g	Viscosity number

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	5mm/min; ISO 527-2
Tensile Strength, Yield	90.0 MPa	13100 psi	50mm/min; ISO 527-2
Elongation at Break	6.7 %	6.7 %	5mm/min; ISO 527-2
Elongation at Yield	6.7 %	6.7 %	50mm/min; ISO 527-2
Tensile Modulus	2.70 GPa	392 ksi	ISO 527-2
Shear Modulus	0.200 GPa	29.0 ksi	ISO 6721
	@Temperature 225 °C	@Temperature 437 °F	
	0.900 GPa	131 ksi	ISO 6721
	@Temperature 200 °C	@Temperature 392 °F	
	0.950 GPa	138 ksi	ISO 6721
	@Temperature 100 °C	@Temperature 212 °F	
	1.00 GPa	145 ksi	ISO 6721
	@Temperature 50.0 °C	@Temperature 122 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	205 °C	401 °F	ISO 75-2
Glass Transition Temp, Tg	225 °C	437 °F	10 K/min; ISO 11357-1/-2

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Natural Value	Comments
Commercial Status	North America and Europe	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

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