

Ultrason® E 2020 P (EU)

Polyether Sulfone
BASF Corporation

Product Description

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.

General

Material Status	• Commercial: Active
Availability	• Europe
Uses	• Coating Applications • Membranes
Forms	• Flakes
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PESU

Physical	Nominal Value	Unit	Test Method
Apparent Density	0.30	g/cm ³	ISO 60
Water Absorption (Equilibrium, 23°C, 50% RH)	1.0	%	ISO 62
Viscosity Number	56.0	cm ³ /g	ISO 307
Molecular Weight with light scattering in NMP	32000	g/mol	
Molecular Weight Distribution (GPC in DMF)	3.00		

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	90.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.7	%	ISO 527-2/50

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature 1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Glass Transition Temperature	225	°C	ISO 11357-2

Injection	Nominal Value	Unit
Drying Temperature	130 to 150	°C
Drying Time	4.0	hr

Notes

¹ Typical properties: these are not to be construed as specifications.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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