



Fortron® 6341L4

Celanese Corporation - Polyphenylene Sulfide

Tuesday, November 5, 2019

General Information

Product Description

Fortron 6341L4 is a tribological-modified Fortron®-PPS containing 40% glass fibre. Fortron 6341L4 comprises the same mechanical properties like Fortron 1342L4, but with a different tribological adjustment.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
RoHS Compliance	• Contact Manufacturer

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183
Water Absorption (Saturation, 73°F)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.09E+6	psi	ISO 527-2/1A
Tensile Stress (Break)	23900	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.6	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	1.99E+6	psi	ISO 178
Flexural Stress	35500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft-lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	19	ft-lb/in ²	ISO 179/1eU
Notched Izod Impact Strength (73°F)	3.8	ft-lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	518	°F	ISO 75-2/A
Heat Deflection Temperature (1160 psi, Unannealed)	419	°F	ISO 75-2/C
Glass Transition Temperature ²	194	°F	ISO 11357-2
Melting Temperature ²	536	°F	ISO 11357-3
CLTE - Flow	1.1E-5	in/in/°F	ISO 11359-2
CLTE - Transverse	2.2E-5	in/in/°F	ISO 11359-2

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	266 to 284	°F
Drying Time	3.0 to 4.0	hr
Hopper Temperature	68 to 86	°F
Rear Temperature	554 to 572	°F
Middle Temperature	590 to 608	°F
Front Temperature	626 to 644	°F
Nozzle Temperature	590 to 626	°F
Processing (Melt) Temp	626 to 644	°F
Mold Temperature	284 to 320	°F

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Injection	Nominal Value	Unit
Back Pressure	< 435	psi

Injection Notes

Feeding zone temperature: 60 to 80°C

Zone4 temperature: 330 to 340°C

Hot runner temperature: 330 to 340°C

Notes

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

² 10°C/min