

4TECH® 9KY22130 HUV

Polybutylene Terephthalate + ASA

4Plas

Message:

4TECH 9KY22130 HUV is a Standard Flow 30% Glass Fibre Reinforced Heat & UV Stabilised PBT / ASA Blend

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
	UV stabilizer		
Features	Good UV resistance		
	Thermal Stability		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Molding Shrinkage			
Vertical flow direction	0.70	%	
Flow direction	0.40	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.10	%	ISO 62
Moisture Content	< 800	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9500	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	120	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	9.0	kJ/m ²	ISO 180/1A
23°C	11	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	210	°C	ISO 75-2/B
1.8 MPa, not annealed	155	°C	ISO 75-2/A
Melting Temperature ²	225	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.750 mm	HB	UL 94
1.60 mm	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	240 - 280	°C
Mold Temperature	50.0 - 110	°C
Injection Rate	Fast	
Holding Pressure	40.0 - 80.0	MPa
Screw Speed	200	rpm
Injection instructions		
Feed Throat Temperature: 50 - 70 °C Back Pressure: Low		
NOTE		
1.	24 Hrs	
2.	10 K/min	

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