

ASTADUR™ B4040G8-UV

Polybutylene Terephthalate
Marplex Australia Pty. Ltd.

Message:

ASTADUR™ B4040G8UV is a 40% glass fibre reinforced grade of PBT/PET polymers. It has excellent processability, high rigidity and heat resistance and is resistant to chemical attack. It is suitable for applications where rigidity and heat resistance are of high importance.
Note: The letters "UV" or "W" indicate UV stabilisation has been added [ie: ASTADUR™ B4040G8UV].

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Rigidity, high		
	Workability, good		
	Good chemical resistance		
	Heat resistance, medium		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.64	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	12500	MPa	ASTM D638
Tensile Strength ² (Yield, 3.20 mm)	140	MPa	ASTM D638
Tensile Elongation ³ (Break, 3.20 mm)	2.5	%	ASTM D638
Flexural Modulus ⁴ (3.20 mm)	11400	MPa	ASTM D790
Flexural Strength ⁵ (3.20 mm)	215	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	200	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	100 - 110	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	245 - 255	°C	
Processing (Melt) Temp	265 - 270	°C	
Mold Temperature	85.0	°C	
Injection Pressure	60.0 - 140	MPa	
Injection Rate	Fast		
Back Pressure	0.300 - 1.00	MPa	
Clamp Tonnage	4.0 - 8.0	kN/cm ²	
Injection instructions			

Screw Speed: Minimum

NOTE

1.	5.0 mm/min
2.	50 mm/min
3.	5.0 mm/min
4.	1.3 mm/min
5.	1.3 mm/min

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