

GLS PP YT46E

Polypropylene
GLS Polymers Pvt. Ltd.

Message:
PP 20 TALC FR V0 EH1

General Information	
Filler / Reinforcement	Talc,20% Filler by Weight
Appearance	Colors Available
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35 to 1.37	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50 to 1.0	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	21.0 to 23.0	MPa	ASTM D638
Tensile Elongation ² (Break)	9.0 to 12	%	ASTM D638
Flexural Modulus ³	2500 to 2700	MPa	ASTM D790
Flexural Strength ⁴	27.0 to 31.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	50 to 60	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	67.0 to 71.0	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating	V-0	UL 94

Injection	Nominal Value	Unit
Drying Temperature	60.0	°C
Drying Time	2.0	hr
Processing (Melt) Temp	190 to 220	°C
Mold Temperature	32.0 to 64.0	°C
Injection Pressure	68.0 to 105	MPa

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	2.0 mm/min
4.	2.0 mm/min

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