

GLS TPO TPO1

Enhanced TPO Polyolefin

GLS Polymers Pvt. Ltd.

Message:

Thermoplastic Olefin

General Information			
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910 to 0.930	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	> 5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.9 to 2.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80 to 85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 12.0	MPa	ASTM D638
Tensile Elongation (Yield)	> 15	%	ASTM D638
Flexural Strength	> 19.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	> 500	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	78.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	190 to 205	°C	
Mold Temperature	10.0 to 80.0	°C	
Injection Pressure	85.0 to 125	MPa	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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