

GLS 287-094

Thermoplastic Elastomer

PolyOne Corporation

Message:

GLS 287-094 is a custom, precolor grey TPE compound

General Information			
Features	Workability, good		
	Good adhesion		
	Excellent appearance		
Appearance	Grey		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	59		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain, 23°C)	2.55	MPa	ASTM D412
Tensile Strength (Break, 23°C)	2.55	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	370	%	ASTM D412
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 11200 sec ⁻¹)	20.0	Pa · s	ASTM D3835
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	
Rear Temperature	166 - 193	°C	
Middle Temperature	249 - 260	°C	
Front Temperature	254 - 277	°C	
Nozzle Temperature	254 - 277	°C	
Processing (Melt) Temp	260 - 277	°C	
Mold Temperature	16 - 38	°C	
Back Pressure	0.00 - 0.689	MPa	
Screw Speed	75 - 175	rpm	
Injection instructions			

Purge thoroughly before and after use of this product with a low flow (0.5 - 2.5 MFR) polyethylene (PE) or polpropylene (PP).Regrind levels up to 20% can be used with GLS 287-094 with minimal property loss, provided that the regrind is free of contamination. To minimize losses during molding, the melt temperature should remain as low as possible. The final determination of regrind effectiveness should be determined by the customer.GLS 287-094 has good melt stability. Maximum residence times may vary, depending on the size of the barrel. Generally, the barrel should be emptied if it is idle for periods of 8 - 10 minutes or longer.Drying is not RequiredInjection Speed: 2.5 to 5 in/sec1st Stage - Boost Pressure: 400 to 600 psi2nd Stage - Hold Pressure: 30% of BoostHold Time (Thick Part): 3 to 6 secHold Time (Thin Part): 1 to 3 sec

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

Recommended distributors for this material

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

