

# Elastocon® CLR35

Thermoplastic Elastomer

Elastocon TPE Technologies

## Message:

Elastocon® CLR35 is a transparent thermoplastic elastomer that has been developed for applications that require resilience, high strength properties and a good surface finish. Elastocon® CLR35 is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® CLR35 is supplied as ready to use pellets in 40 lb. quantities.

General Information			
Features	High strength		
	Good UV resistance		
	Excellent appearance		
	Elastic		
Uses	Industrial application		
	Consumer goods application field		
Agency Ratings	FDA not rated		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	38		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.830	MPa	ASTM D412
Tensile Strength	10.2	MPa	ASTM D412
Tensile Elongation (Break)	790	%	ASTM D412
Tear Strength	25.9	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	177 - 182	°C	
Middle Temperature	193 - 199	°C	
Front Temperature	204 - 216	°C	
Nozzle Temperature	204 - 216	°C	
Processing (Melt) Temp	204 - 216	°C	
Mold Temperature	16 - 49	°C	
Injection Rate	Slow		

Back Pressure	0.345 - 1.03	MPa
Screw Compression Ratio	2.5:1.0 - 3.0:1.0	
Injection instructions		
Elastocon® CLR35 thermoplastic elastomer compound does not require drying.		
Extrusion	Nominal Value	Unit
Hopper Temperature	79	°C
Cylinder Zone 1 Temp.	149	°C
Cylinder Zone 5 Temp.	177	°C

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

