

Tenac™ LT805

Acetal (POM) Homopolymer
Asahi Kasei Chemicals Corporation

Message:

Tenac™ LT805 is an Acetal (POM) Homopolymer product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Tenac™ LT805 include engineering/industrial parts, automotive and housings.

Characteristics include:

- Flame Rated
- Homopolymer
- Lubricated
- Medium Viscosity
- Wear Resistant

General Information	
UL YellowCard	E48285-240850
Additive	Lubricant
Features	Good Wear Resistance
	Homopolymer
	Low Friction
	Lubricated
	Medium Viscosity
Uses	Engineering Parts
	Gears
	Housings

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.8 to 2.2	%	Internal Method
Water Absorption (23°C, 24 hr, 50% RH)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	92		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress			
Yield	69.0	MPa	ISO 527-2
--	67.0	MPa	ASTM D638
Tensile Elongation			
Break	35	%	ASTM D638

Break	40	%	ISO 527-2
Flexural Modulus			
--	2880	MPa	ASTM D790
--	2800	MPa	ISO 178
Flexural Strength	98.0	MPa	ASTM D790
Taber Abrasion Resistance	13.0	mg	ASTM D1044
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179
Notched Izod Impact	71	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	172	°C	ASTM D648
0.45 MPa, Unannealed	155	°C	ISO 75-2/B
1.8 MPa, Unannealed	125	°C	ASTM D648
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696, ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	18	kV/mm	ASTM D149
Arc Resistance	250	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		

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



WECHAT