Plaslube® POM CO E TL20

Acetal (POM) Copolymer

Techmer Engineered Solutions

Message:

Plaslube® POM CO E TL20 is a polyoxymethylene (POM) copolymer product. It can be processed by extrusion and is available in North America.
Features include:
Copolymer
Wear-resistant
Lubrication

General Information			
Additive	PTFE lubricant		
Features	Copolymer Good wear resistance Lubrication		
Appearance	Available colors		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.52	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	2.0	%	ASTM D955
Water Absorption (24 hr)	0.17	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	81		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	47.6	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	74.5	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
With steel-dynamic	0.15		ASTM D1894
With steel-static	0.17		ASTM D1894
Wear Factor	28	10^-8 mm³/N·m	ASTM D3702
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	75	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	160	°C	ASTM D648
1.8 MPa, not annealed	98.9	°C	ASTM D648
CLTE - Flow	9.9E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength [1]	20	kV/mm	ASTM D149

Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	1.0 - 2.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	177 - 188	°C
Middle Temperature	188 - 199	°C
Front Temperature	182 - 193	°C
Nozzle Temperature	177 - 188	°C
Processing (Melt) Temp	188 - 204	°C
Mold Temperature	76.7 - 93.3	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.345 - 0.689	MPa

Injection instructions
Screw Speed: MediumRecommendations for Molding and Tool Conditions: Well ventedMoisture Content, as received: Product is packaged at 0.2% or less.Drying not normally required. Dry at 180°F for 1 to 2 hours if necessary.

NOTE	
1.	Method A (short time)

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