

Kepital® TE-24S

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

A high viscosity grade for general injection molding. It was modified with elastomer, and so suitable for parts requiring super impact resistance and excellent toughness.

General Information			
UL YellowCard	E120354-220466		
Features	Impact resistance, high		
	Good toughness		
	Viscosity, High		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
190°C/2.16 kg	2.5	g/10 min	ASTM D1238
--	2.0	g/10 min	ISO 1133
Molding Shrinkage			
Flow: 2.00mm	1.3	%	ASTM D955
3.00 mm	1.5	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 60% RH)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, 23°C	35.0	MPa	ASTM D638
Yield, 23°C	38.0	MPa	ISO 527-2
Tensile Elongation (Break, 23°C)	< 300	%	ASTM D638
Nominal Tensile Strain at Break	> 100	%	ISO 527-2
Flexural Modulus			
23°C	1250	MPa	ASTM D790
23°C	1300	MPa	ISO 178
Flexural Strength			
23°C	41.0	MPa	ASTM D790
23°C	46.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	28	kJ/m ²	ISO 179/1eA
Notched Izod Impact (3.20 mm)	No Break		ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, not annealed	77.0	°C	ASTM D648
1.8 MPa, not annealed	61.0	°C	ISO 75-2/A
Peak Melting Temperature	165	°C	ASTM D3418
CLTE - Flow (20 to 80°C)	1.3E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+16	ohms	ASTM D257
--	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257, IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94
Additional Information			

Tensile Elongation @ Brk, ASTM D638, 23°C: < 300%

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

