Tenac™ 2013A

Acetal (POM) Homopolymer

Asahi Kasei Corporation

Message:

Tenac™2013A is a polyoxymethylene (POM) homopolymer product. It is available in North America, Africa and the Middle East, Europe or Asia Pacific.
Features include:
high viscosity
Homopolymer
good weather resistance

General Information	
Features	Homopolymer
	Good weather resistance
	Viscosity, High

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.7	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.8 - 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
Class m	94		ASTM D785
Class r	120		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress			
Yield	68.0	MPa	ISO 527-2
--	65.0	MPa	ASTM D638
Tensile Elongation			
Fracture	55	%	ASTM D638
Fracture	50	%	ISO 527-2
Flexural Modulus			
--	2600	MPa	ASTM D790
--	2500	MPa	ISO 178
Flexural Strength	92.0	MPa	ASTM D790
Taber Abrasion Resistance	13.0	mg	ASTM D1044
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	15	kJ/m²	ISO 179
Notched Izod Impact	130	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load			
0.45 MPa, not annealed	172	°C	ASTM D648
0.45 MPa, not annealed	163	°C	ISO 75-2/B
1.8 MPa, not annealed	136	°C	ASTM D648
1.8 MPa, not annealed	97.0	°C	ISO 75-2/A
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696, ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+16 - 1.0E+17	ohms	ASTM D257
Volume Resistivity (23°C)	1.0E+15 - 1.0E+16	ohms·cm	ASTM D257
Dielectric Strength	18	kV/mm	ASTM D149
Arc Resistance	250	sec	ASTM D495

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