

TOPAS® 6015S-04

Cyclic Olefin Copolymer
Topas Advanced Polymers, Inc.

Message:
Standard Grade

General Information			
Features	Copolymer		
UL File Number	E177491		
Part Marking Code (ISO 11469)	>COC		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	4.00	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	60.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.6	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	15	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	150	°C	ISO 75-2/B
Glass Transition Temperature ¹	158	°C	ISO 11357-2
Vicat Softening Temperature	156	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+14	ohms · cm	IEC 60093
Relative Permittivity			IEC 60250
1 kHz	2.35		IEC 60250
10 kHz	2.35		IEC 60250
1.00 GHz	2.30		IEC 60250
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.530		ISO 489
Transmittance (2000 µm)	91.0	%	ISO 13468-1
NOTE			
1.	10°C/min		

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

