

DURACON® SF-15LV

Acetal (POM) Copolymer

Polyplastics Co., Ltd.

Message:

DURACON®SF-15LV is a polyoxymethylene (POM) copolymer product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:

flame retardant/rated flame

Good toughness

General Information			
Features	Low VOC		
	Good toughness		
Forms	Particle		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>POM-I		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1750	MPa	ISO 527-2
Tensile Stress	38.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	100	%	ISO 527-2
Flexural Modulus	1530	MPa	ISO 178
Flexural Stress	51.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	72.0	°C	ISO 75-2/A
Linear thermal expansion coefficient			Internal method
Flow: 23 to 55°C	1.3E-4	cm/cm/°C	Internal method
Lateral: 23 to 55°C	1.3E-4	cm/cm/°C	Internal method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	3.0E+13	ohms·cm	IEC 60093
Dielectric Strength (3.00 mm)	18	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value		
Color Number	CF2001		
Injection	Nominal Value	Unit	

Drying Temperature	80.0 - 90.0	°C
Drying Time	3.0 - 4.0	hr
Processing (Melt) Temp	190 - 210	°C
Mold Temperature	60.0 - 80.0	°C
Injection Pressure	49.0 - 98.0	MPa
Screw Speed	100 - 150	rpm

Injection instructions

Injection speed: 5-50 mm/s Injection Holding pressure: Gate sealing time + alpha Cooling: Plasticizing time or ejection capable time

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

