



DURACON® SF-15LV

Polyplastics - Acetal (POM) Copolymer

General Information

Product Description

Low VOC

High Impact, Flexible

General

Features	<ul style="list-style-type: none"> Copolymer Good Flexibility 	<ul style="list-style-type: none"> High Impact Resistance Low VOC
Forms	<ul style="list-style-type: none"> Pellets 	
Part Marking Code (ISO 11469)	<ul style="list-style-type: none"> >POM-I< 	

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	2.0	%	
Flow : 0.0787 in	2.2	%	
Water Absorption (24 hr, 73°F, 0.0394 in)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	254000	psi	ISO 527-1
Tensile Stress	5510	psi	ISO 527-2
Nominal Tensile Strain at Break	100	%	ISO 527-2
Flexural Modulus	222000	psi	ISO 178
Flexural Stress	7400	psi	ISO 178
Coefficient of Friction			JIS K7218
Dynamic ³	0.50		
vs. Steel - Dynamic ⁴	0.50		
Wear Factor			JIS K7218
71 psi, 59 ft/min ⁵	< 5.0E-3	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	
71 psi, 0.98 ft/min ⁶	25	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	
8.7 psi, 0.49 ft/min ⁷	200	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	
8.7 psi, 0.49 ft/min ⁸	250	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	7.1	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	162	°F	
CLTE - Flow (73 to 131°F)	7.2E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	7.2E-5	in/in/°F	Internal Method

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Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	3.0E+13	ohms·cm	IEC 60093
Electric Strength (0.118 in)	460	V/mil	IEC 60243-1

Additional Information	Nominal Value	Unit
Color Number	CF2001	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 60x60x2mmt, Cavity Pressure 60 MPa

³ vs M90-44, pressure 0.06 MPa, 15 cm/s

⁴ vs C-Steel, pressure 0.49 MPa, 30 cm/s

⁵ vs C-Steel, Steel Side

⁶ vs C-Steel, Material Side

⁷ vs Material side

⁸ vs Pressure