

# DURACON® FW-01

## Polyplastics - Acetal (POM) Copolymer

### General Information

#### Product Description

High Sliding

#### General

Features	• Copolymer	• Low Friction
Forms	• Pellets	
Processing Method	• Injection Molding	
Part Marking Code (ISO 11469)	• >POM<	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	g/10 min	ISO 1133
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	2.1	%	
Flow : 0.0787 in	2.4	%	
Water Absorption (24 hr, 73°F, 0.0394 in)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	8120	psi	ISO 527-2
Nominal Tensile Strain at Break	60	%	ISO 527-2
Flexural Modulus	326000	psi	ISO 178
Flexural Stress	11300	psi	ISO 178
Coefficient of Friction			
Dynamic <sup>3</sup>	0.15		JIS K7218
vs. Steel - Dynamic <sup>4</sup>	0.25		ASTM D1894
Wear Factor			JIS K7218
140 psi, 59 ft/min <sup>5</sup>	< 0.50	10 <sup>-10</sup> in <sup>3</sup> ·min/ft·lb·hr	
140 psi, 59 ft/min <sup>6</sup>	23	10 <sup>-10</sup> in <sup>3</sup> ·min/ft·lb·hr	
8.7 psi, 30 ft/min <sup>7</sup>	130	10 <sup>-10</sup> in <sup>3</sup> ·min/ft·lb·hr	
8.7 psi, 30 ft/min <sup>8</sup>	160	10 <sup>-10</sup> in <sup>3</sup> ·min/ft·lb·hr	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.3	ft·lb/in <sup>2</sup>	ISO 179/1eA
Additional Information	Nominal Value	Unit	
Color Number	CF2001		