

DURACON® FP15X

Polyplastics - Acetal (POM) Copolymer

General Information

Product Description

Extrusion Molding

Melted Extrusion Molding

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Copolymer		
UL File Number	• E45034		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	
Part Marking Code (ISO 11469)	• >POM<		

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.7	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	1.4	cm ³ /10min	ISO 1133
Water Absorption (24 hr, 73°F, 0.0394 in)	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	319000	psi	ISO 527-1
Tensile Stress	8120	psi	ISO 527-2
Nominal Tensile Strain at Break	50	%	ISO 527-2
Flexural Modulus	293000	psi	ISO 178
Flexural Stress	10600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.7	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	176	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Color Number	CF2001		

