

Starflam® M10009XP

Polypropylene

Starflam M10009XP is an unfilled flame retardant, PP Copolymer for injection molded applications, (also known as Starflam PP CU U9 Z116).

General

Regional Availability	• North America	• Europe	
Additive	• Flame Retarding Agent	• Heat Stabilizer	• Release agent
Features	• Chemical Resistant	• Flame Retardant	• Halogenated
Agency Rating	• ISO, 1043 PP FR(17)		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical

	dry	cond.	Unit	Test Standard
Density	0.94	-	g/cm ³	ISO 1183
Water Absorption, 23°C, 24 hr	0.01	*	%	ISO 62

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Stress (Yield, 23°C)	23	-	MPa	ISO 527-2

Impact

	dry	cond.	Unit	Test Standard
Unnotched Izod Impact Strength, +23°C	98	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	51	-	°C	ISO 75-2/A

Flammability

	Value	Unit	Test Standard
Glow Wire Flammability Index			IEC 60695-2-12
1.60 mm	850	°C	

Injection

	Value	Unit
Drying Temperature	70	°C
Drying Time	3	h
Rear Temperature	180 - 190	°C
Middle Temperature	190 - 200	°C
Front Temperature	190 - 200	°C
Processing (Melt) Temperature	190 - 200	°C
Mold Temperature	30 - 50	°C