

## Starflam® M10009XP

Ascend Performance Materials Operations LLC - Polypropylene

### General Information

#### Product Description

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

#### General

Material Status	• Commercial: Active
Availability	• Europe • North America
Additive	• Flame Retardant • Heat Stabilizer • Mold Release
Features	• Chemical Resistant • Halogenated • Flame Retardant • Heat Stabilized
Agency Ratings	• ISO 1043 PP FR(17)
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding
Resin ID	• PP FR

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	0.940	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F)	0.010	%	ISO 62
<b>Mechanical</b>			
Tensile Stress (Yield, 73°F)	3340	psi	ISO 527-2
<b>Impact</b>			
Unnotched Izod Impact Strength (73°F)	47	ft·lb/in <sup>2</sup>	ISO 180/1U
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	124	°F	ISO 75-2/A
<b>Flammability</b>			
Glow Wire Flammability Index (0.06 in)	1560	°F	IEC 60695-2-12

### Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	158	°F
Drying Time	3.0	hr
Rear Temperature	356 to 374	°F
Middle Temperature	374 to 392	°F
Front Temperature	374 to 392	°F
Processing (Melt) Temp	374 to 392	°F
Mold Temperature	86 to 122	°F

