

HiFill® XRD POM 0161 LE YL149

 Techmer Polymer Modifiers - *Polyamide 66*
General Information
Product Description

Acetal Copolymer , Proprietary Filler for X-Ray Detection, Low Extractables for FDA Compliant Applications

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low Extractables • Metal Detectable
Agency Ratings	• FDA
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.62		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.021	in/in	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	240000	psi	ASTM D638
Tensile Strength (Yield)	6200	psi	ASTM D638
Tensile Strength (Break)	5800	psi	ASTM D638
Tensile Elongation (Yield)	25	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.6	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	320	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ASTM D648
CLTE - Flow	1.2E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	160	°F
Drying Time	1.0	hr
Rear Temperature	350 to 380	°F
Middle Temperature	370 to 410	°F
Front Temperature	360 to 390	°F
Nozzle Temperature	350 to 400	°F
Processing (Melt) Temp	380 to 420	°F
Mold Temperature	180 to 250	°F

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