

Ineos Nova Zytar® F7120 Developmental Flame Retardant Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Flame Retardant

Material Notes:

Features: High flow for thin wall parts Good balance of physical properties UL94 V-0 @ 1.5 mm for black color Good aesthetics for injection molding Applications: Large television cabinets Consumer electronics Business equipment Information provided by Nova Chemicals INEOS NOVA began October 1 2007 as an expansion of the 50:50 joint venture between NOVA Chemicals and INEOS to include North American assets.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-Nova-Zytar-F7120-Developmental-Flame-Retardant-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 200 °C	15 g/10 min @Load 11.0 lb, Temperature 392 °F	Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.1 MPa	3200 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	40.0 MPa	5800 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	1.20 J/cm	2.25 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	ASTM D648
Vicat Softening Point	95.0 °C	203 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	171 - 193 °C	340 - 379 °F	
Middle Barrel Temperature	199 - 221 °C	390 - 430 °F	
Front Barrel Temperature	210 - 232 °C	410 - 450 °F	

Melt Temperature Processing Properties	210 - 232 °C Metric	410 - 450 °F English	Comments
Mold Temperature	32.0 - 54.0 °C	89.6 - 129 °F	
Back Pressure	0.345 MPa	50.0 psi	

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