

Product Selector

Ignition Resistant Polystyrenes

Polymer Products has the broadest range of ignition resistant polystyrene (IRHIPS) of any North American supplier with standard products based on decabromodiphenyloxide and more advanced products based on alternate halogenated technologies. These products are used in a broad range of applications including television cabinets, business machine enclosures, electronic instruments and appliance components. These products are sold under the Avantra® and Zyntar® trade names. Our Product Selection Guide below can help you choose the right product for your application.

Choose Avantra® and Zyntar® ignition resistant polystyrenes when you are looking for quality, consistency and the leading edge performance.

Our specialized technical support laboratories and trained staff at PMC Group Polymer Products can help you select the best products for your needs. Please call 1-866-732-6009 or your PMC Group Polymer Products sales representative for more information.

Ignition Resistant Polystyrene Grades

Product	MFI (g / 10 min)	Tensile Strength at Yield (psi)	Elongation at Break (%)	Flexural Modulus (psi)	Notched Izod (ft-lbs/in)	Vicat Softening Temp (°C)	Specific Gravity, 73°F	Flame Rating (UL-94 (0.063"))
ENVIRONMENTALLY FRIENDLY DBDPO FREE GRADES								
Avantra 8530	13.5	3650	55	320,000	2.0	94	1.15	V-0 / 5VB(0.125")
Zyntar 7080	13.0	3500	55	330,000	2.0	96	1.18	V-0
Avantra 8930	10.0	3700	60	310,000	2.4	100	1.07	V-2
Avantra 8130	4.5	3750	70	320,000	2.2	100	1.15	V-0 / 5VA(0.092")
Avantra 8731	4.0	4150	50	305,000	3.3	100	1.16	V-0
Avantra 8330	2.5	6000	13	400,000	1.3	104	1.08	V-2
STANDARD GRADES								
Avantra 8080	13.0	3700	55	326,000	2.1	97	1.16	V-0
Avantra 8020	12.0	3600	60	305,000	2.3	97	1.14	V-0 / 5VA(Foam 0.162")
Zyntar 7000	10.0	3600	40	300,000	2.3	97	1.16	V-0 / 5VA(Foam 0.192")
Avantra 8120	5.5	3800	65	305,000	2.4	98	1.15	V-0 / 5VA(0.092")
Zyntar 702	5.5	4200	35	320,000	1.7	98	1.17	V-0
Avantra 8720	4.0	4300	35	310,000	3.3	100	1.15	V-0 / 5VA(0.125")

Consult UL Yellow Cards and individual data sheets for flame rating of various colors and thicknesses. The above IRPS do not conform to FDA Title 21CFR section 177.1640 regarding the use in food contact applications.

Important: The descriptions, designs, and data contained herein are presented for your information only. Because there are many factors under your control which may affect processing or applications/use it is necessary for you to make appropriate tests to determine whether the product is suitable for your particular purpose prior to use. Further, you expressly understand and agree that the descriptions, designs, and data furnished by Polymer Products hereunder are given gratis and Polymer Products assumes no obligation or liability for same or results obtained from use thereof, all such being given to you and accepted by you at your risk. Any laboratory flammability tests set forth herein are not intended to reflect hazards prescribed by materials under actual fire conditions. It is the Buyer's responsibility to determine the suitability of Polymer Product's products for his specific applications.