

DAIKIN PTFE M-531

Daikin PTFE M-531 is a polytetrafluoroethylene virgin granular free flow resin. M-531 has excellent powder flow characteristics and may be used successfully for compression molding, automatic molding and ram extrusion applications.

Properties*	Units	Typical Value	Test Method
Bulk Density	g/L	740	ASTM D 4894
Std Specific Gravity	---	2.15 – 2.17	ASTM D 4894
Tensile Strength	MPa	42	ASTM D 4894
Elongation	%	385	ASTM D 4894
Average Particle Size	Microns	560	ASTM D 4894
Shrinkage	%	3.5	Daikin Method
Appearance	--	White Powder	Visual

*Typical properties are not suitable for specification purposes.

Safety & Handling

Daikin PTFE M-531 should be handled like other Daikin PTFE resins. When PTFE resins are heated to temperatures above 260°C, minor amounts of decomposition products are given off. These decomposition products may be harmful and inhalation of these fumes must be avoided. Ovens, process equipment and the working area must be adequately ventilated. For further information please refer to the safety data sheet for this product.

Storage

Granular molding powders tend to form agglomerates easily; therefore, do not store large quantities of powder in deep containers; avoid strong vibrations and shock. Storage at temperatures above 19°C tends to promote agglomerate formation. Should agglomerates form, keep the powder at less than 19°C (ideally 15°C or below) for two days then sift through a coarse screen and allow to come to room temperature before molding.