

Tenneco Chemicals

A Tenneco Company



Turner Place, P.O. Box 368
Piscataway, New Jersey 08854
(201) 961-6000

PRODUCT DATA

TENNECO 225PG PVC RESIN

DESCRIPTION

TENNECO 225PG is a medium molecular weight, general purpose polyvinyl chloride resin with uniform particle size, particularly applicable to rigid pipe extrusion.

TYPICAL PROPERTIES

Form and Appearance	White Powder
Relative Viscosity (1% by wt. in cyclohexanone, 25°C)	2.22
Inherent Viscosity (0.2 gr./100 ml. cyclohexanone, 30°C-ASTM D1243)	0.92
Specific Gravity (25°C)	1.40
Bulk Density, pounds/cu.ft.	32
grams/cu.cm.	0.512
Contamination, maximum	50
Particle Size, % thru 40 mesh	100
% thru 200 mesh	2
Volatiles, % maximum	0.4

FUNCTIONAL CHARACTERISTICS

TENNECO 225PG produces excellent powder dry blends and is highly complementary to popular tin stabilizers. Its inherent heat stability makes it a natural choice for rigid profiles.

TYPICAL APPLICATIONS

Rigid PVC pipe and profiles.

HAZARDS AND SAFE HANDLING

Refer to OSHA Standard 1910.1017 on vinyl chloride, which requires monitoring and other precautions in storage, handling and use of PVC and specifies the labeling "contains vinyl chloride - vinyl chloride is a cancer-suspect agent."

Adequate ventilation at work areas, particularly enclosed spaces, is required. For hot processing local exhaust, safety glasses and gloves are recommended.

New PVC resins with a low monomer content make it easier to operate below the OSHA action level at 0.5 ppm in a processor's work area, assuming normal conditions and ventilation, simplifying compliance with some of the regulatory requirements. Further developments on resins are pending.

ASTM Cell Designation: CP4-15000

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