

General Properties & Applications

EF-8157 is a Chloro Poly Vinyl Chloride [CPVC] fitting Compound, a heat resistant and hydrostatic pressure endurance polymer produced by blending best in class chemicals additives like impact modifiers, lubricants and thermal stabilizers etc to the Epigral's high quality CPVC Resin [Grade - MM 57] and further pelletized through granulation process.

EF-8157 is an injection molding compound that can be used for the manufacture of fittings that demand high thermal resistance, chemical resistance, hydrostatic pressure durability and non-corrosive characteristics, such as industrial fittings.

CPVC Pipes fittings finds their major application in following:-

- Hot and Cold water in plumbing application
- Water sprinkler for Fire Protection system in residential and commercial building
- Fittings for industrial piping system (Production facilities, Chemical processing industry, Waste water treatment, Industrial manufacturing, Blending operations, Marine, etc.)
- Molding applications requiring chemical, flame and corrosion resistance (Valves, Ducts, etc.)
- Other non-plasticized products requiring high thermal & chemical resistance (Flame/Thermal Resistant Plates, etc.)

Pellet Properties (EF-8157)

Sr. No.	Parameters	Unit	Specification	Test Method
1	Appearance & Color	-	Ivory Pellets	Visually
2	Different Matter (Dust, Metal etc.)	--	NIL	Magnifying Mirror
3	Specific Gravity	gm/cc	≥ 1.45	ASTM D792
4	Vicat Softening Temperature [VST]	°C	≥103	ASTM D1525
5	Tensile Strength	MPa	≥ 48.3	ASTM D638
6	Izod Impact Strength	J/M	≥ 80.1	ASTM D256

EF-8157 has the following exceptional characteristics:

- Thermal Features like Low thermal conductivity, Heat Deflection Temperature etc
- Chemical-Resistance i.e inert to most mineral acid, aliphatic hydrocarbons, bases and salts
- Top notch mechanical properties like Tensile strength, Hydrostatic Pressure Endurance & Impact Strength
- Easy Processability with Long-Term Heat Stability & Steady Processing Conditions
- UV resistant for outdoor applications

Storage, Handling and Safety

EP-8157 is free from any hazardous or regulated materials such as lead, cadmium, mercury, and chromium compounds.

- Bags should be stored in dry conditions at room temperatures and protected from UV / direct sunlight.
- Handle under well ventilation with protectives gears.

Please refer Epigral Limited's product specific Material Safety Data Sheet (MSDS) that underlines potential health effects and safe handling, use, and transportation methods.

We strongly encourage its customers to review the MSDS prior to material use.

Disclaimer:

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