

Technical Data Sheet

Product Name: JC EPMix TiO₂-80 (Rutile-chloride)

Chemical Composition: Titanium Dioxide (Rutile-chloride), elastomer binder & dispersing agents.

Product Description: JC EPMix TiO₂-80 (Rutile-chloride) is elastomer bound master batch with dispersing agent. Providing maximum opacity, brilliant whiteness and superior UV protection in rubber compound.

Sr. No.	Properties	Unit	Specifications
1	Appearance	-	White granules
2	Titanium Dioxide	%	80
3	Elastomer binder & Dispersing agents	%	20
4	Specific gravity	-	≤2.5
5	Mooney Viscosity (ML 1+4 @100°C)	-	≤ 50
6	Ash Content	%	≤ 83.0

Advantage:

Dust free improving workplace safety
 Reduce mixing time and energy consumption
 Eliminates material storage & logistics issue
 saving of energy, time & labor
 Cost optimization Quality enhancement

Standard Packing: 25 Kg paper box

Shelf life: 2 years from D.O.M

Storage: In original closed containers under cool and dry conditions

Dosage:

5-15 Phr

Mode of Action: JC EPMix TiO₂-80 (Rutile-chloride) is a high-loaded, rutile titanium dioxide master batch Designed for exceptional performance in rubber and polymer applications. This high concentration and specialized dispersion technology ensure a uniform distribution of TiO₂ particles within the host polymer. This achieves excellent, streak-free whiteness, hiding power, and opacity by effectively scattering visible light. The surface-treated TiO₂ (Rutile-chloride) acts as a potent ultraviolet (UV) light absorber and scattered. It absorbs high-energy UV photons, preventing them from penetrating the polymer matrix and breaking down the molecular chains and protects the rubber compound from UV- induced degradation, including cracking, loss of mechanical properties, and color fading. This provides outstanding durability and long-term weather ability.

Application: Gasket, waterproofing, automotive weather-strips, seals and profiles. General rubber articles.

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