

ImerFlex® T 10D

(Earlier known as Mistron® Vapor-R)

VERSATILE UNIQUE MINERAL FILLER FOR RUBBER AUTO TUBES AND HOSES



Scan for Detailed Catalogue



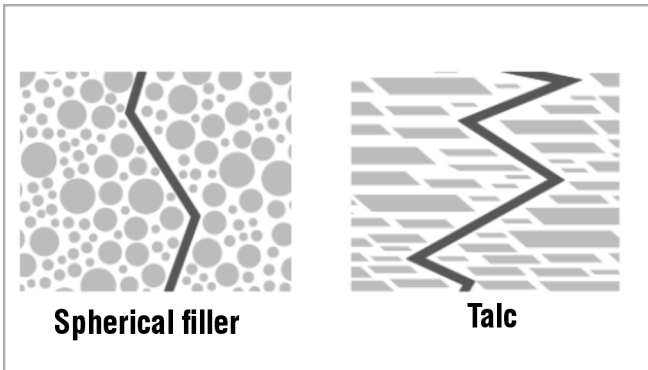
Description and Applications :

ImerFlex T 10D is High Purity, Platy, Very Fine Talc, which Provides Optimum Balance of reinforcement and Processability in Rubber applications due to its unique Microcrystalline structure and engineered particle size distribution. **ImerFlex T 10D** is available in Powder, **Densified**, and Compacted forms to accommodate various raw materials handling requirements.

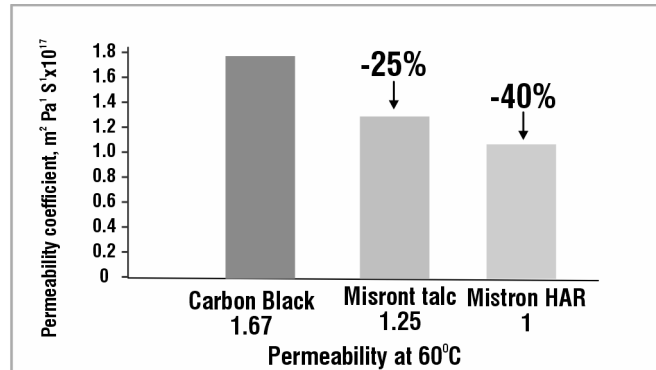


ImerFlex T 10D due to its Platy Morphology increases diffusion path for Gases & Liquids which comes in contact with Auto Tubes & Hoses .This Improves Barrier Properties and results in the Permeability Resistance which is required in Butyl & NR Rubber based Auto Tubes and for Rubber Hoses also. In comparison with Carbon Black , **ImerFlex T 10D** Reinforced (as a partial replacement of Carbon Black) Automotive Tubes ,Rubber Hoses show superior Fatigue Resistance, Crack Initiation & propagation. With this property enhancement Service Life of Auto Tubes & Hoses gets improved, also Improvement in Thermal Property .Thus with partial replacement of Carbon Black with **ImerFlex T 10D** achievement of desired property Improvement with cost reduction of final product is possible.

Diffusion Path



Permeability



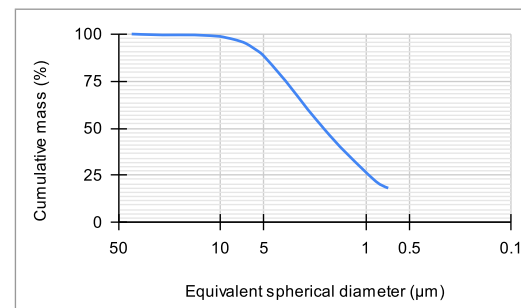
TYPICAL PROPERTIES

Whiteness (Minolta CR 400, illuminant D65/2°Y)	89
B.E.T. (ISO 9277)	14.4 m ² /g
Specific gravity (ISO 12154)	2.78 g/cm ³
Tapped bulk density (ISO 787/11)	0.49 g/cm ³
Hardness (Mohs' scale)	1
Moisture content at 105°C (ISO 787/2)	0.3 %
pH (ISO 787/9)	9

PARTICLE SIZE DISTRIBUTION BY SEDIGRAPH

Sedimentation analysis, Stokes' Law (ISO 13317-3)

Median Diameter d50: 1.9 µm



ImerFlex T 10D has a Carbon foot print photoabout 10 times lower than Carbon Black.

Technical Persons contact details for Technical queries and Guidance Formulations

