

twist™

Phthalate Free
Eco-friendly Plasticizers





INTRODUCING TWIST

PHthalate FREE, ECO-FRIENDLY & SUSTAINABLE ALTERNATIVE TO PRIMARY PLASTICIZERS

TWIST range of phthalate free specialty blends serves as best alternative to Primary plasticizers which are added with PVC to make it **softer** and **more flexible**. It supports in increased plasticisation, lubrication requirements & decreases viscosity in PVC formulations. The TWIST range consists of two grades **TWIST FC 73** & **TWIST FM-MO**, and various sub-grades with specific properties, that find applications in manufacture of Compounds - Wires & Cables/Footwear /Paver blocks, Plastisol -Textile auxiliaries/inks, Pipes, Fabric PVC-leather Coating, PVC films, etc.

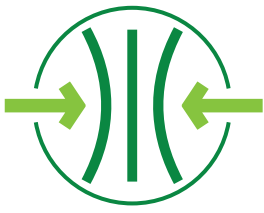


PHthalate
FREE





FEATURES & BENEFITS



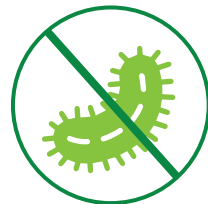
IMPARTS
FLEXIBILITY
TO PVC RESIN



ENHANCED
TENACITY



EXCEPTIONAL
COMPATIBILITY
WITH VARIOUS PLASTICIZER



SUPERIOR
ANTI-MICROBIAL
PROPERTIES



EXCELLENT
WATER
REPELLENCY



IMPARTS **FLAME**
RETARDANT
PROPERTY

^ All Twist grades are RoHS compliant except TWIST FC 73 AP

APPLICATIONS

		Twist FC 73 E	Twist FC 73 EU	Twist FC 73 EUD	Twist FM-M0	Twist FC 73 AP
	Wire & Cables compounds	✓	✓	✓✓		
	Footwear-Pigmented compounds	✓	✓✓			
	Footwear-clear compounds					✓✓
	Paver block compounds					✓✓
	Artificial Leather Cloth Coating			✓✓		
	Plastisol-Textile auxiliaries			✓✓		
	Plastisol Ink				✓✓	
	Plastisol-Coir mat				✓✓	
	Garden Pipes-Clear					✓✓
	Garden/ Hose/Braided/ Pipes Pigmented	✓	✓			✓✓
	Rigid PVC pipes		✓			
	Clear Film					✓✓
	Insulated Foam	✓				

SPECIFICATION OVERVIEW

	Unit	Twist FC 73 E	Twist FC 73 EU	Twist FC 73 AP	Twist FC 73 EUD	Twist FM M0
Specific Gravity at 25°C		1.15-1.18	1.14 – 1.18	1.14 – 1.16	1.08-1.09	1.120 - 1.140
Colour (APHA 100)	HU	Max. 80	Max 80	Max 60	Max.80	Max 80
Viscosity at 25°C	POI	Max. 3	Max. 3	Max. 2	Max. 2	Max.3
Volatile Loss @ 180°C / 4 hr/30gm/BL	%	Max.2	Max. 2	Max. 3	Max. 2	Max. 2.2
Heat Stability @ 180°C/30min		Light Yellow - Brown	Light Yellow - Brown	Light Yellow - Brown	Light Yellow to Brown	Light Yellow to Brown
Hydroxyl value		Nil	Nil	Nil	Nil	Nil



Twist Plasticizer Blends

PARAMETERS	SPECIFICATIONS
Appearance	Clear to Light Yellow
Physical form	Liquid
Packaging	230 Kg HM-HDPE Drums

HANDLING & STORAGE

Avoid prolonged contact with skin. In case of skin or eye contact, flush exposed area with large amounts of water. Store in original containers in a cool place and away from all sources of heat and direct sunlight. Containers should be tightly closed when not in use and keep away from incompatible materials.

ABOUT US

Grasim Industries Limited - Chemical Division is part of the Aditya Birla Group, which is a US \$ 48.3 billion corporation. We are among the largest producer of Chlor-Alkali products globally, catering to vast array of applications with our premium range of Specialty chemicals. We offer Products & Technical services for superior performance in Plasticizer, Water & Wastewater, Food Additives, Cosmetics, Hygiene, Aquaculture, and Industrial Chemicals.

Our purpose of 'Chemistry for a Greener World' is aimed at ensuring that our products, supply chains and solutions are environmentally friendlier, safer and socially responsible. Through product and process innovations, manufacturing excellence, partnerships and catering to consumer needs, we are working towards creating sustainable value for all our stakeholders.

NO.1

**CAUSTIC SODA AND
CHLORINE DERIVATIVE CHEMICALS**
PRODUCER IN INDIA



AIMING TO REDUCE POWER &
WATER CONSUMPTION, **INCREASING**
SOURCING RENEWABLE POWER



BRINGING NEW SOLUTIONS
FOR A GREENER WORLD THROUGH
R&D AND INNOVATION



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