

Firestone
PLASTICS COMPANY



FPC
VINYL RESINS

FPC 4414

FPC 4414 is a low molecular weight vinyl chloride/vinyl acetate copolymer resin specifically designed for the manufacture of vinyl asbestos floor tile.

FPC 4414 is easily handled in bulk systems as well as in compounding equipment because of its particle geometry and size control.

The compatibility of this resin with conventional vinyl compounding ingredients such as plasticizers, stabilizers, etc., permits the manufacturer to produce tile with excellent heat and light stability. The finished product is highly resistant to common household chemicals such as ammonia, soaps, detergents, and mineral and weak organic acids.

TYPICAL PHYSICAL PROPERTIES

Relative Viscosity	1.41
(1% solution in cyclohexanone at 25°C.)	
Inherent Viscosity	0.37
(ASTM D-1243-66)	
K Value	37
(Fikentscher - 1% solution in cyclohexanone at 25°C.)	
Specific Gravity	1.36
(ASTM D-792-66)	
Bulk Density	
(ASTM D-1895, Method B)	
gms./cc.	0.68
lbs./cu. ft.	42
Particle Size Distribution	
(ASTM D-1921, Method A)	
Retained on	
40 Mesh, %	0
80 Mesh, %	10
Thru 200 Mesh, %	25
Volatiles, %	1.3
(Firestone Test C-13C)	
Classification	C13-2730
(ASTM D-2474)	

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DIVISION OF THE FIRESTONE TIRE & RUBBER COMPANY

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