

Firestone
PLASTICS COMPANY



FPC
VINYL RESINS

FPC 965

FPC 965 is an extremely low molecular weight PVC homopolymer resin. The particle size of the polymer lends itself to use as a modifying resin with both homopolymer and copolymer resins. It is easily adapted to operations having a minimum of energy available to generate fusion or where the product cannot be subjected to conditions required to fuse higher molecular weight resins. When used alone in formulations, the compound will have good physical properties, although at a slight sacrifice when compared to higher molecular weight resins.

TYPICAL PHYSICAL PROPERTIES

Relative Viscosity	1.60
(1% solution in cyclohexanone at 25°C.)	
Inherent Viscosity	0.52
(ASTM D-1243)	
K Value	46
(Fikentscher - 1% solution in cyclohexanone at 25°C.)	
Specific Gravity	1.40
(ASTM D-792)	
Bulk Density	
(ASTM D-1895, Method B)	
gms./cc.	0.62
lbs./cu. ft.	38
Plasticizer Sorption, parts of DOP per 100 parts of resin	65
(ASTM D-1755)	
Particle Size Distribution	
(ASTM D-1921, Method A)	
Retained on	
100 Mesh, %	10
140 Mesh, %	40
200 Mesh, %	25
Thru 200 Mesh, %	25
Volatiles, %	1
(Firestone Test C-13C)	
Classification	GP1-36260
(ASTM D-1755)	

Chemicals Division, FIRESTONE PLASTICS COMPANY, Pottstown, Pa. 19464
DIVISION OF THE FIRESTONE TIRE & RUBBER COMPANY

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