



TECHNICAL DATA SHEET

Rigid

SP-7221

DESCRIPTION/ APPLICATION

SP-7221 is a high-impact rigid injection molding PVC compound for interior applications designed for water distribution systems. SP-7221 is listed under NSF Standard 14.

GENERAL PROPERTIES	VALUE	METHOD
Specific Gravity (+/- 0.02)	1.33	ASTM D-792
Hardness, Rockwell R	97	ASTM D-785
Mold Shrinkage, 10 ⁻³ in/in	4-5	ASTM D-955
Flow Ratio (Distance/Wall Thickness 390-400°F)	130	Internal

MECHANICAL PROPERTIES	VALUE	METHOD
Tensile Yield Strength, psi	6,200	ASTM D-638
Tensile Modulus, psi	350,000	ASTM D-638
Flexural Strength, psi	10,000	ASTM D-790
Flexural Modulus, psi	375,000	ASTM D-790
Gardner Impact, 23°C ½" R Tup	320 in-lbs 2.56 in-lbs/mil	ASTM D-4226, A
1/8" Notched Izod Impact	14 ft-lbs/in @ 23°C	ASTM D-256
1/8" Notched Izod Impact	1.3 ft-lbs/in @ -20°C	ASTM D-256

OTHER PROPERTIES	VALUE	METHOD
Heat Deflection Temperature, °C	74 @ 66 psi	ASTM D-648
Heat Deflection Temperature, °C	71 @ 264 psi	ASTM D-648
Oxygen Index, %	36	ASTM D-2863
NSF Standard 14, Potable Water	14223-D	ASTM D-1784
NSF Standard 14, DWV	11432	ASTM D-4396

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