



TECHNICAL DATA SHEET

Rigid

SP-5034

DESCRIPTION/ APPLICATION

SP-5034 is a rigid vinyl injection molding PVC compound for fittings and parts of similar configuration where maximum burst strength is required. SP-5034 is ideally suited for large diameter fittings. SP-5034 is listed with NSF under Standard 14, and meets Standard 61 health effects requirements.

GENERAL PROPERTIES	VALUE	METHOD
Specific Gravity (+/- 0.02)	1.36	ASTM D-792
Hardness, Rockwell R	110	ASTM D-785
Mold Shrinkage, 10 ⁻³ in/in	2-4	ASTM D-955
Flow Ratio (Distance/Wall Thickness 390-400°F)	120	Internal
MECHANICAL PROPERTIES	VALUE	METHOD
Tensile Yield Strength, psi	7,000	ASTM D-638
Tensile Modulus, psi	400,000	ASTM D-638
Flexural Strength, psi	12,000	ASTM D-790
Flexural Modulus, psi	450,000	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	1.5 ft-lbs/in @ 23°C	ASTM D-256
1/8" Notched Izod Impact	0.7 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	70 @ 264 psi	ASTM D-648
Oxygen Index, %	38	ASTM D-2863
NSF Standard 14	12454-B	ASTM D-1784
NSF Standard 61	PASS	NSF

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