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Salesforce



7181

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VINYL COMPOUNDS

7181 Rigid

PRODUCT DESCRIPTION		
This rigid, non-phthalate compound is formulated to provide excellent flame and chemical resistance for a variety of exterior profile extrusion applications that require NSF 50/51/61 certifications. This compound is commonly used in applications that require high-impact strength, dimensional stability, and weatherability.		

GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.42	ASTM D-792
Hardness Delayed, Shore D (+/- 3)	80	ASTM D-2240
Hardness Delayed, Rockwell R	112	ASTM D-2240
Cell Classification	14413233	ASTM D-4216

MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Yield Strength, psi	6100	ASTM D-638
Tensile Yield Strength, MPa	42	ASTM D-638
Tensile Modulus, psi	360000	ASTM D-638
Tensile Modulus, MPa	2482	ASTM D-638
Tensile Impact, ft-lbs/in ²	75	ASTM D-1822
Flexural Strength, psi	11000	ASTM D-790
Flexural Strength, MPa	76	ASTM D-790
Flexural Modulus, psi	410000	ASTM D-790
Flexural Modulus, MPa	2827	ASTM D-790
1/8" Notched Izod Impact ft-lbs/in at 23°C	18	ASTM D-256

THERMAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Heat Deflection Temp °C at 264 psi/1.8 MPa	162	ASTM D-648
Coefficient of Thermal Expansion 10 ⁻⁵ in/in °F	3.5	ASTM D-696

Revised Date:10/20/2020

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