

5/26/23, 9:08 AM

Salesforce



7045

Download as PDF



VINYL COMPOUNDS

7045 Rigid

PRODUCT DESCRIPTION		
This rigid, non-phthalate compound is formulated to provide excellent chemical and flame resistance for a variety of extrusion applications that require NSF 51 certification. This compound is commonly used in applications that require high-impact strength, dimensional stability, durability, and colorability.		

GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.33	ASTM D-792
Hardness Delayed, Shore D (+/- 3)	79	ASTM D-2240
Hardness Delayed, Rockwell R	108	ASTM D-2240
Cell Classification	14423333	ASTM D-4216

MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Yield Strength, psi	6500	ASTM D-638
Tensile Yield Strength, MPa	45	ASTM D-638
Tensile Modulus, psi	400000	ASTM D-638
Tensile Modulus, MPa	2758	ASTM D-638
Tensile Impact, ft-lbs/in ²	75	ASTM D-1822
Flexural Strength, psi	12500	ASTM D-790
Flexural Strength, MPa	86	ASTM D-790
Flexural Modulus, psi	400000	ASTM D-790
Flexural Modulus, MPa	2758	ASTM D-790
1/8" Notched Izod Impact ft-lbs/in at 23°C	20	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	4	ASTM D-696

Revised Date:10/29/2019

IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.