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Salesforce



5055-TDS 6/7/2022

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Westlake

Global Compounds

VINYL COMPOUNDS

5055 Rigid

PRODUCT DESCRIPTION
This rigid, non-phthalate compound is formulated to provide chemical resistance, toughness, and ease of processing for a variety of profile extrusion and conduit applications that require UL and NSF 51 certifications.

GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.42	ASTM D-792
Hardness Delayed, Shore D (+/- 3)	81	ASTM D-2240
Hardness Delayed, Rockwell R	116	ASTM D-2240
Cell Classification	14422433	ASTM D-4216

MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Yield Strength, psi	6000	ASTM D-638
Tensile Yield Strength, MPa	41	ASTM D-638
Tensile Modulus, psi	431000	ASTM D-638
Tensile Modulus, MPa	2972	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	404000	ASTM D-790
Flexural Modulus, MPa	2786	ASTM D-790
1/8" Notched Izod Impact ft-lbs/in at 23°C	17	ASTM D-256

THERMAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Heat Deflection Temp °C at 264 psi/1.8 MPa	71	ASTM D-648
Coefficient of Thermal Expansion 10 ⁻⁵ in/in °F	3.6	ASTM D-696

ADDITIONAL INFORMATION	TYPICAL VALUE	TEST METHOD
Recommended Melt Temperature, °F	360	

Revised Date:10/29/2019

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