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Salesforce



LR-5009

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VINYL COMPOUNDS

LR-5009 Rigid

PRODUCT DESCRIPTION		
This rigid, non-phthalate compound is formulated for a variety of custom injection molding, pipe, and fitting applications that require NSF 14/50/61 certifications. This cost-effective compound is commonly used in large-diameter fitting and multi-cavity mold applications that require excellent regrind stability, surface appearance, color hold, and high-flow properties.		
GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.38	ASTM D-792
Hardness Delayed, Rockwell R	117	ASTM D-785
Mold Shrinkage 10^-3 in/in	2-3	ASTM D-955
Flow Ratio (Distance/Wall Thickness, 390-400F)	170	Internal
MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Yield Strength, psi	7320	ASTM D-638
Tensile Yield Strength, MPa	50	ASTM D-638
Tensile Modulus, psi	430000	ASTM D-638
Tensile Modulus, MPa	2965	ASTM D-638
Flexural Strength, psi	12800	ASTM D-790
Flexural Strength, MPa	88	ASTM D-790
Flexural Modulus, psi	432000	ASTM D-790
Flexural Modulus, MPa	2979	ASTM D-790
Gardner high-impact 23°C 1/2" R Tup, in-lbs/mil	0.6	
THERMAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Heat Deflection Temp °C at 66 psi/0.46 MPa	76	ASTM D-648
Heat Deflection Temp °C at 264 psi/1.8 MPa	72	ASTM D-648
FLAMMABILITY PROPERTIES	TYPICAL VALUE	TEST METHOD
Limited Oxygen Index, %	38	

Revised Date:02/27/2020

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