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Salesforce



MD-5009

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VINYL COMPOUNDS

MD-5009 Rigid

PRODUCT DESCRIPTION		
This rigid, non-phthalate compound is formulated to provide excellent high-flow properties for a variety of custom injection molding, pipe, and fitting applications that require NSF 14/50/61 certifications. This compound is commonly used in large part, sprue/runner, and multi-cavity mold applications. This compound possesses excellent regrind stability, processability, color hold, and surface appearance.		
GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.42	ASTM D-792
Mold Shrinkage 10 ⁻³ in/in	2-3	ASTM D-955
Flow Ratio (Distance/Wall Thickness, 390-400F)	175	AXIAL Method
MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Yield Strength, psi	7100	ASTM D-638
Tensile Yield Strength, MPa	49	ASTM D-638
Tensile Modulus, psi	420000	ASTM D-638
Tensile Modulus, MPa	2896	ASTM D-638
Flexural Strength, psi	13000	ASTM D-790
Flexural Strength, MPa	90	ASTM D-790
Flexural Modulus, psi	430000	ASTM D-790
Flexural Modulus, MPa	2965	ASTM D-790
1/8" Notched Izod Impact ft-lbs/in at 23°C	1.1	ASTM D-256
1/8" Notched Izod Impact ft-lbs/in at -20°C	0.7	ASTM D-256
THERMAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Heat Deflection Temp °C at 264 psi/1.8 MPa	71	ASTM D-648
FLAMMABILITY PROPERTIES	TYPICAL VALUE	TEST METHOD
Limited Oxygen Index, %	38	

Revised Date:10/29/2019

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