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Salesforce



5034

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VINYL COMPOUNDS

5034
Rigid

PRODUCT DESCRIPTION		
This rigid, non-phthalate compound is formulated to provide maximum burst strength for a variety of custom injection molding, pipe, and fitting applications. This compound is commonly used in large-diameter fitting applications that require NSF 14/50/51/61 certifications.		
GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.36	ASTM D-792
Hardness Delayed, Rockwell R	110	ASTM D-785
Mold Shrinkage 10 ⁻³ in/in	2-4	ASTM D-955
Flow Ratio (Distance/Wall Thickness, 390-400F)	120	Georgia Gulf Test
MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Yield Strength, psi	7000	ASTM D-638
Tensile Yield Strength, MPa	48	ASTM D-638
Tensile Modulus, psi	400000	ASTM D-638
Tensile Modulus, MPa	2758	ASTM D-638
Flexural Strength, psi	12000	ASTM D-790
Flexural Strength, MPa	83	ASTM D-790
Flexural Modulus, psi	450000	ASTM D-790
Flexural Modulus, MPa	3103	ASTM D-790
Gardner high-impact 23°C 1/2" R Tup, in-lbs/mil	2.56	
1/8" Notched Izod Impact ft-lbs/in at 23°C	1.5	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 66 psi/0.46 MPa	74	ASTM D-648
Heat Deflection Temp °C at 264 psi/1.8 MPa	70	ASTM D-648

Revised Date:10/29/2019

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