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Salesforce



7221-TDS 6/1/2022

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VINYL COMPOUNDS

7221 Rigid

PRODUCT DESCRIPTION		
This rigid, non-phthalate compound is formulated to provide excellent high-impact and high-flow characteristics for a variety of custom injection molding applications that require NSF 14/61 certifications. This compound is commonly used in water distribution systems.		
GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.33	ASTM D-792
Hardness Delayed, Rockwell R	97	ASTM D-785
Cell Classification	16344	ASTM D-1784
Mold Shrinkage 10 [^] 3 in/in	4-5	ASTM D-955
Flow Ratio (Distance/Wall Thickness, 390-400F)	130	Georgia Gulf Test
MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Yield Strength, psi	6300	ASTM D-638
Tensile Yield Strength, MPa	43	ASTM D-638
Tensile Modulus, psi	385000	ASTM D-638
Tensile Modulus, MPa	2654	ASTM D-638
Flexural Strength, psi	10000	ASTM D-790
Flexural Strength, MPa	69	ASTM D-790
Flexural Modulus, psi	375000	ASTM D-790
Flexural Modulus, MPa	2586	ASTM D-790
Gardner high-impact 23°C 1/2" R Tup, in-lbs/mil	2.6	ASTM D-4226
1/8" Notched Izod Impact ft-lbs/in at 23°C	15	ASTM D-256
1/8" Notched Izod Impact ft-lbs/in at -20°C	1.3	ASTM D-256
THERMAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Heat Deflection Temp °C at 66 psi/0.46 MPa	74	ASTM D-648

Revised Date:06/01/2022

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