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Salesforce



MP-6510

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VINYL COMPOUNDS

MP-6510 Rigid

PRODUCT DESCRIPTION		
This rigid, non-phthalate compound is formulated to provide excellent high-flow properties for a variety of interior custom injection molding applications that require UL 94 V-0/5Va certification. This electrical-grade compound is commonly used in applications that require excellent strength, stability, and surface appearance.		
GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.35	ASTM D-792
Hardness Delayed, Rockwell R	100	ASTM D-785
Mold Shrinkage 10 ⁻³ in/in	3-4	ASTM D-955
Flow Ratio (Distance/Wall Thickness, 390-400F)	180	Georgia Gulf Test
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	360000	ASTM D-638
Tensile Modulus, MPa	2482	ASTM D-638
Flexural Strength, psi	11000	ASTM D-790
Flexural Strength, MPa	76	ASTM D-790
Flexural Modulus, psi	380000	ASTM D-790
Flexural Modulus, MPa	2620	ASTM D-790
Gardner high-impact 23°C 1/2" R Tup, in-lbs/mil	3	
1/8" Notched Izod Impact ft-lbs/in at 23°C	18	ASTM D-256
1/8" Notched Izod Impact ft-lbs/in at -20°C	3	ASTM D-256
THERMAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Heat Deflection Temp °C at 66 psi/0.46 MPa	75	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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