

149747

PROPERTIES	TEST METHOD	METRIC UNITS (SI UNIT)	TEST CONDITION	MEDIUM IMPACT	HIGH FLOW MEDIUM IMPACT
				↓ 700	
SPECIFIC GRAVITY	ASTM D792	-	23°C	1.05	1.05
WATER ABSORPTION	ASTM D570	%	23°C x 24 hrs	0.3	0.3
MELT FLOW RATE	ISO 1133	G/10min.	220°C, 10kg	23	40
MOULD SHRINKAGE	ASTM D955	%	-	0.4-0.6	0.4-0.6
TENSILE STRENGTH AT YIELD	ASTM D638	kg/cm ² (MPa)	23°C (Strain rate: 5%)	510 (50)	480 (47)
TENSILE ELONGATION AT BREAK	ASTM D638	%	23°C	35	15
FLEXURAL YIELD STRENGTH	ASTM D790	kg/cm ² (MPa)	23°C (Strain rate: 3%)	770 (76)	760 (75)
FLEXURAL MODULUS	ASTM D790	kg/cm ² (MPa)	23°C	25,000 (2450)	24,000 (2350)
IZOD IMPACT STRENGTH 12.7 X 62.5 X 12.7t mm (NOTCHED)	ASTM D256	kg.cm/co (J/m)	23°C	19 (186)	19 (186)
			0°C	11 (108)	11 (108)
			-30°C	8 (78)	8 (78)
IZOD IMPACT STRENGTH 12.7 X 62.5 X 3.2t mm (NOTCHED)	ASTM D256	kg.cm/co (J/m)	23°C	20 (196)	20 (196)
			0°C	16 (157)	16 (157)
			-30°C	12 (118)	11 (108)
ROCKWELL HARDNESS	ASTM D785	-	R scale	115	114
DISTORTION TEMPERATURE UNDER LOAD 127 X 12.7 X 12.7t mm (UNANNEALED 1.82 MPa Loading)	ASTM D648	°C	18.56kg/cm ² Flexural loading	92	92
DISTORTION TEMPERATURE UNDER LOAD 127 X 12.7 X 6.4t mm (UNANNEALED 1.82 MPa Loading)	ASTM D648	°C	18.56kg/cm ² Flexural loading	87	86
COEFFICIENT OF LINEAR THERMAL EXPANSION	ASTM D696	mm/mm °C	-	7.1 X 10 ⁻⁵	7.2 X 10 ⁻⁵
THERMAL CONDUCTIVITY	ASTM C177	W/K.m	-	0.15	0.16
SPECIFIC SURFACE RESISTIVITY	ASTM D257	ohm	23°C	16 >10	16 >10
SPECIFIC VOLUME RESISTIVITY	ASTM D257	ohm.cm	23°C	16 >10	16 >10
DIELECTRIC STRENGTH	ASTM D149	KV/mm	Short time	23	23
DIELECTRIC CONSTANT	ASTM D150	-	1000Hz	3.1	3.1
POWER FACTOR	ASTM D150	-	1000Hz	6.1 X 10 ⁻³	6.2 X 10 ⁻³
FLAMMABILITY	UL94	-	-	HB All	HB All