

TECHNICAL DATA AND PROCESS SHEET

SAN WITH HOLLOW GLASS SPHERES, GRAPHITE AND PTFE

INX-SAN-09064

TYPICAL PROPERTIES

PROPERTY	ASTM METHOD	English	UNITS	Metric SI	UNITS
GENERAL					
SPECIFIC GRAVITY	D792	1.07		1.07	
SPECIFIC VOLUME		25.89	in ³ /lb	0.935	cm ³ /gm
WATER ABSORPTION (24 Hrs)	D570	0.06	%	0.06	%
MOLD SHRINKAGE	D955	0.1	%	0.1	%
MECHANICAL					
TENSILE STRENGTH	D638	7,500	psi	52	MPa
ELONGATION, YIELD	D638	1-2	%	1-2	%
FLEXURAL STRENGTH	D790		psi	0	MPa
FLEXURAL MODULUS	D790		psi	0	MPa
SHEAR STRENGTH	D732		psi	0	MPa
IZOD IMPACT STRENGTH	D256				
NOTCHED 1/8"		0.4	ft.lb./in.	21	J/m
UNNOTCHED 1/8"			ft.lb./in.	0	J/m
ROCKWELL HARDNESS		M90	M Scale	M90	M Scale
THERMAL					
HDTUL	D648	220	°F	104	°C
@ 264 PSI					
COEFFICIENT OF LINEAR THERMAL EXPANSION	D696		in./in. F x10 ⁻⁵	0	mm/mm C 10 ⁻⁶
FLAMMABILITY ¹	U.L.Subj 94	HB@1/16	in	HB@ 1.5	mm
ELECTRICAL					
SURFACE RESISTIVITY		10e ¹⁶	ohms/sq	10e16	ohms/sq
PROCESSING					
DRYING TEMPERATURE		175	°F	79	°C
DRYING TIME		4	hrs	4	hrs
MELT TEMPERATURE		480-510	°F	249-265	°C
MOLD TEMPERATURE		160-180	°F	71-82	°C
BACK PRESSURE		50-100	psi	0.3 - 0.7	MPa
SCREW SPEED		40-70	rpm	40-70	rpm
VENT DEPTH		0.0005-0.001	in	0.0125 - 0.025	mm

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