



creative thermoplastic compounds

PE321G6

Release Date: 19/06/2007

30% Glass Fiber Reinforced, Flame Retardant V-0 PET for Injection Moulding applications.
ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.67
MOULD SHRINKAGE	%	ISO-2577	0.3
MFI	g/10min	ISO-1133 280/2.16	6
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	125
TENSILE MODULUS	MPa	ISO-527	11160
STRAIN @ BREAK	%	ISO-527	3
FLEXURAL STRENGTH	MPa	ISO-178	210
FLEXURAL MODULUS	MPa	ISO-178	10000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	8.5
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	224
HDT AT LOAD 0.45 Mpa	°C	ISO-75	245
G.W.F.I	°C	IEC 60695	960
UL FLAMMABILITY		UL-94 3mm	V-0
MELTING POINT	°C	ISO-11357	254
ELECTRICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DIELECTRIC CONSTANT AT 1MHZ	kV/mm	IEC 60250	4

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