



creative thermoplastic compounds

PD304G6YL55

Release Date: 07/11/2006

30% Glass Fiber Reinforced Polyamide 12 for Injection Moulding applications.UL listed material.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.23
MOULD SHRINKAGE	%	ISO-2577	0.2-0.3
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	120
TENSILE MODULUS	MPa	ISO-527	6000
STRAIN @ BREAK	%	ISO-527	3.5
FLEXURAL STRENGTH	MPa	ISO-178	160
FLEXURAL MODULUS	MPa	ISO-178	5200
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	15
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	165
HDT AT LOAD 0.45 Mpa	°C	ISO-75	177
UL FLAMMABILITY		UL-94 1.6/3mm	H.B.
MELTING POINT	°C	ISO-11357	165-175

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