



creative thermoplastic compounds

PE304G3

Release Date: 01/06/2008

15% Glass Fiber Reinforced, Heat Stabilized and Impact Modified PET for Injection Moulding application.

ISO

PHYSICAL PROPERTIES	UNIT	TEST METHOD	VALUES
DENSITY	g/m ³	ISO-1183	1.38
MOISTURE ABSORPTION 23° C, 50% RH (SATURATION)	%	ISO-62	0.25
MOULD SHRINKAGE	%	ISO-2577	0.15-0.3
MECHANICAL PROPERTIES	UNIT	TEST METHOD	VALUES
TENSILE YIELD STRENGTH	MPa	ISO-527	80
TENSILE MODULUS	MPa	ISO-527	4500
STRAIN @ BREAK	%	ISO-527	4
FLEXURAL MODULUS	MPa	ISO-178	4000
NOTCHED IZOD IMPACT STRENGTH +23°C	Kj/m ²	ISO-180	10
NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	11
UN NOTCHED CHARPY IMPACT STRENGTH +23°C	Kj/m ²	ISO-179	50
THERMAL PROPERTIES	UNIT	TEST METHOD	VALUES
HDT AT LOAD 1.8 Mpa	°C	ISO-75	187
UL FLAMMABILITY		UL-94 3mm	H.B.
MELTING POINT	°C	ISO-11357	252

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