

TECHNICAL DATA SHEET

Last Updated: 29.08.2016

PRODUCT DESCRIPTION:	TPE FOR INJECTION
ADDITIVE PACKAGES:	UV and Heat stabilizing package included

PROPERTIES	VALUE	UNIT	STANDARD
PHYSICAL			
HARDNESS (3sec)	50	Shore A	ISO 868
DENSITY	1.13	gr/cm ³	ISO 2781

MECHANICAL			
%100 MODULUS	3.1	MPa	ISO 37
%300 MODULUS	4.3	MPa	ISO 37
TENSILE STRENGTH AT BREAK	6.2	MPa	ISO 37
ELONGATION AT BREAK	>450	%	ISO 37
MELT FLOW INDEX (5000g, 190 ° C)	16-35	g/10 min	ISO 1133
WEAR RESISTANCE	*	mm ³	DIN 53516
TEAR STRENGTH	24	kN/m	ISO 34-1

COMPRESSION SET			
22 h - 70°C	25	%	ASTM D 395-03B
23 h - 125°C	48	%	ASTM D 395-03B

THERMAL			
Brittleness Temperature	-50	°C	ASTM D 746
Continuous max. Temp. Resistance	110	°C	

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PRODUCT FEATURES

BONDING	Ease of bonding to PP material
COLORING	Ease of coloring by proper MB (PE, PP, etc. based)
MSDS	Material Safety Data Sheet is available for this grade
RECYCLING	Recyclability, depending on the process, is between 5% to 25%. Recycled material can be used with prime material.
PRE-DRYING	If kept under the proper conditions no pre-drying is required unless the product is TPV.

MOLDING TEMPERATURES (C°)

BARREL REAR	160 - 170
BARREL CENTER	180 - 190
BARREL FRONT	190 - 200
NOZZLE	190 - 200
MELT TEMPERATURE	180 - 190
MOLD TEMPERATURE	25 - 40

Important Notice: Do not exceed 250°C at any time

CHEMICAL RESISTANCE

OZONE	Perfect
WATER	Perfect
ALCOHOL	Perfect
OIL	Fair
SULPHURIC ACID	Good
DETERGENT	Good

The above test results are obtained from laboratory injection molded ISO samples and cannot be used directly to determine end-use or design specification. The customer should determine the suitability to his/her application through their internal testing procedure. Datasheet values represent a statistical average or product properties and they may change with increasing data points.