

TVE40D12GNO

PRODUCT DESCRIPTION:	Standard fully vulcanized EPDM/PP. Suitable for extrusion blow molding.
ADDITIVE PACKAGES:	UV and Heat stabilizing package included

PROPERTIES	VALUE	UNIT	STANDARD
PHYSICAL			
HARDNESS	40	Shore D	ISO868
DENSITY	0.98	gr/cm ³	ISO2781
Melt Flow index	2-4	gr/10 min	ISO 1133

MECHANICAL			
%100 MODULUS	9.8	MPa	ISO37
% 300 MODULUS	*	MPa	ISO37
TENSILE STRENGTH BREAK	15	MPa	ISO37
ELONGATION AT BREAK	450	%	ISO37
WEAR RESISTANCE	*	mm ³	DIN53516
TEAR STRENGTH	58	KN/m	ISO 34-1

COMPRESSION SET			
22h-23 °C	36	%	ASTM D 395-03B
22h-70 °C	48	%	ASTM D 395-03B

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

PRODUCT FEATURES

BONDING	Ease of bonding to PP materials.
COLORING	Ease of coloring by Proper MB (PE,PP.etc. based)
MSDS	Material Safety Data Sheet is available for this grade
RECYCLING	Recyclability depends on process between 5%to25% recycle material can be used with prime material
PRE-DRYING	If keep under the proper conditions no pre-drying requested

MOLDING TEMPERATURES(° C)

BARREL REAR	165-170
BARREL CENTER	175-180
BARREL FRONT	190-200
NAZZLE	190-200
MELT TEMPERATURE	180-190
MOLD TEMPERATURE	25-40

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

MOLD SHRINKAGE LEVEL

FLOW DIRECTION(%)	
CROSS DIRECTION(%)	

CHEMICAL RESISTANCE

OZONE	perfect
WATER	perfect
ALCOHOL	perfect
OIL	Good
SULPHURIC ACID	Good
DETER GENT	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