ENSOFT TO-620-40D

ENSOFT-T

Product Description : This polyolefin based thermoplastic elastomer (SBS) compound is low mineral filled, high performance and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery.

Additive Packages : T / Heat and UV stabilizer
/

Key Features : Ozone and weathering resistance
Rubberlike elasticity in a wide temperature range
Easy colorability with proper MB (PE, PP, etc. based)

Process Method : Injection / multi injection molding

Uses : Industrial applications, house apliances, consumer goods

Revision Date : 01.04.2015

	Value	Unit	Standard
Physical			
Hardness	40	SHORE D	ISO 868 (3 second)
Density	0,99	gr / cm3	ISO 1183 1-A
Brittleness Point	-40	°C	*
Mechanical			
100% Modulus	8,6	Mpa	ISO 37, DIN 53504
300% Modulus	9,4	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	12	Mpa	ISO 37, DIN 53504
Elongation at Break	550	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	110	kN/m	ISO 34-1
Thermal			
Max. Dynamic Service Temperature	70	°C	*
Max. Static Service Temperature	90	°C	*

Environmental Resistance

Water	Excellent

Drying Condition

Data Sheet

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Drying Time(hr)	Not required
Drying Temperature(°C)	Not required
Molding Condition (°C)	
1st Zone (hopper)(°C)	150-160
2nd Zone(°C)	160-170
3rd Zone(°C)	170-180
Nozzle(°C)	185-190
Melt Temperature(°C)	190-200
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	230 C

Important Notice;

The above results are obtained from the tests conducted in Enplast laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. ENPLAST accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.

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