ENSOFT TU-320-40A

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 :	H / Heat 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 A	ISO 868 (3 second)
Density	0,98	gr / cm3	ISO 1183 1-A
Brittleness Point	-40	°C	*
Mechanical			
100% Modulus	0,8	Mpa	ISO 37, DIN 53504
300% Modulus	1,5	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	3,4	Mpa	ISO 37, DIN 53504
Elongation at Break	700	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	25	kN/m	ISO 34-1
Aging			
Compression Set (72h/23°C)	24	%	ASTM D 395-89-B
Thermal			
Max. Dynamic Service Temperature	70	°C	*
Max. Static Service Temperature	90	°C	*

Environmental Resistance

Data Sheet

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Water	Excellent
Drying Condition	
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)	250 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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