

ENSOFT SD-760-65A

Thermoplastic Elastomer

ENPLAST, a Ravago Group Company

Message:

ENSOFT SD-760-65A is a thermoplastic elastomer (TPE) product. It can be processed by extrusion or injection molding and is available in North America or Europe. The main characteristics are: good UV resistance.

General Information			
Features	Good UV resistance		
	Ozone resistance		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	65		ISO 868

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% strain	2.00	MPa	ISO 37
300% strain	3.20	MPa	ISO 37
Tensile Stress (Break)	9.00	MPa	ISO 37
Tensile Elongation (Break)	650	%	ISO 37
Compression Set			ASTM D395B
23°C, 22 hr	16	%	ASTM D395B
70°C, 22 hr	30	%	ASTM D395B

Additional Information			
The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.Tear Strength, ISO 34-2: 28 kN/mOzone Resistance, ISO 1431: No Crack			

Injection	Nominal Value	Unit
Rear Temperature	150 - 160	°C
Front Temperature	170 - 180	°C
Nozzle Temperature	185 - 190	°C
Processing (Melt) Temp	190 - 200	°C
Mold Temperature	10.0 - 50.0	°C
Screw L/D Ratio	20.0:1.0	
Screw Compression Ratio	2.5:1.0	

Extrusion	Nominal Value	Unit
Drying Temperature	90.0	°C

Drying Time	1.0	hr
Cylinder Zone 1 Temp.	170	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	195	°C
Cylinder Zone 4 Temp.	200	°C
Cylinder Zone 5 Temp.	205	°C

Extrusion instructions

Machine Capacity, 30 mm cylinder diameter: 15 to 20 kg/hrMachine Capacity, 45 mm cylinder diameter: 60 to 85 kg/hrMachine Capacity, 60 mm cylinder diameter: 100 to 150 kg/hrMachine Capacity, 90 mm cylinder diameter: 225 to 300 kg/hr

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

