ENFLEX® S3350A

Tuesday, November 5, 2019

ENPLAST Americas, a Ravago Group Company - Thermoplastic Elastomer

General Information

Product Description

50 Shore A TPE (Styrenic Block Copolymer based) avalaible in black and natural for injection molding and extrusion applications, offering soft/tactile feel, grippiness and adhesion (overmolding or co-extrusion) to Polypropylene.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• Acid Resistant • Alcohol Resistant • Base Resistant • Detergent Resistant • Good Adhesion	• Good Colorability • Good Processability • High Elasticity • High Heat Resistance • Oil Resistant	• Ozone Resistant • Recyclable Material • Soft • Solvent Resistant • UV Resistant
Appearance	• Black	• Natural Color	
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.15		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	205	psi	ASTM D412
Tensile Strength (Break)	650	psi	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Tear Strength	129	lbf/in	ASTM D624
Compression Set			ASTM D395B
73°F, 22 hr	18	%	
158°F, 22 hr	43	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 10 sec, Extruded	48		
Shore A, 10 sec, Injection Molded	51		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-76.0	°F	ASTM D746
Dynamic Service Temperature	194	°F	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150 to 160	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	340 to 390	°F
Middle Temperature	350 to 410	°F
Front Temperature	375 to 430	°F
Nozzle Temperature	390 to 445	°F
Processing (Melt) Temp	390 to 430	°F
Mold Temperature	50 to 120	°F

powered by PROSPECTOR®
www.ulprospector.com

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.
The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

ENFLEX® S3350A

ENPLAST Americas, a Ravago Group Company - Thermoplastic Elastomer

Injection	Nominal Value	Unit
Injection Pressure	750 to 1300	psi
Injection Rate	Fast	
Screw Speed	50 to 200	rpm
Clamp Tonnage	2.0 to 3.5	tons/in²
Cushion	0.200 to 0.500	in

Injection Notes

Holding Time: 5 to 7 Sec.

Extrusion	Nominal Value	Unit
Drying Temperature	150 to 160	°F
Drying Time	2.0 to 3.0	hr
Hopper Temperature	320 to 350	°F
Cylinder Zone 1 Temp.	340 to 375	°F
Cylinder Zone 3 Temp.	355 to 390	°F
Cylinder Zone 5 Temp.	375 to 410	°F
Adapter Temperature	375 to 410	°F
Melt Temperature	375 to 390	°F
Die Temperature	375 to 410	°F
Screw L/D Ratio	24.0:1.0	

Extrusion Notes

Screw: L/D 20:1 or greater (L/D 24:1 preferred)
Cooling Water: 60 - 85°F (15-30°C)
Screw Speed: 100 - 200 rpm
Screen Pack: 20/40/60

Notes

[1] Typical properties: these are not to be construed as specifications.

powered by PROSPECTOR®
www.ulprospector.com

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.
The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.