

ENFLEX VU-120-55A

Thermoplastic Vulcanizate

ENPLAST, a Ravago Group Company

Message:

ENFLEX VU-120-55A is a thermoplastic vulcanized rubber (TPV) 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	0.960	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% strain	1.80	MPa	ISO 37
300% strain	2.90	MPa	ISO 37
Tensile Stress (Break)	5.70	MPa	ISO 37
Tensile Elongation (Break)	550	%	ISO 37
Compression Set			ASTM D395B
23°C, 72 hr	24	%	ASTM D395B
70°C, 22 hr	31	%	ASTM D395B
100°C, 22 hr	33	%	ASTM D395B
Additional Information			
The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.Tear Strength, ISO 34-2: 25 kN/mOzone Resistance, ISO 1431: No Crack			
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	2.0	hr	
Rear Temperature	170 - 180	°C	
Front Temperature	190 - 200	°C	
Nozzle Temperature	200 - 210	°C	
Processing (Melt) Temp	210 - 220	°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	3.0	hr
Cylinder Zone 1 Temp.	170	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	190	°C
Cylinder Zone 4 Temp.	195	°C
Cylinder Zone 5 Temp.	200	°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

