

Viprene™ P45D-22U-BLK

Alliance Polymers & Services - Thermoplastic Vulcanizate

General Information

Product Description

Viprene™ P45D-22U-BLK is a UV and Heat Stabilized TPV (thermoplastic vulcanizate elastomer). This material can be easily processed by extrusion or injection molding. It exhibits easy flowing characteristics.

General

Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Good Flow	• Heat Stabilized	• UV Resistant
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 2781
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1250	psi	ISO 37
Tensile Stress (300% Strain)	1710	psi	ISO 37
Tensile Stress (Break)	2250	psi	ISO 37
Tensile Elongation (Break)	500	%	ISO 37
Tear Strength	514	lbf/in	ISO 34-1
Compression Set (158°F, 22 hr)	40	%	ASTM D395B
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	95		
Shore D	45		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.04 in		HB	
0.06 in		HB	
0.12 in		HB	