Elastron® V V101.A35.B

Thermoplastic Vulcanizate

Elastron USA, Inc.

Message:

A soft, black thermoplastic vulcanizate, TPV (EPDM/PP) in the thermoplastic elastomer family that offers good physical properties and chemical resistance. Bondable to: PP, EVA, PE

General Information	
Features	Bondability Good Chemical Resistance Soft
RoHS Compliance	RoHS Compliant
Appearance	Black
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	3.6	%	
Across Flow	1.6	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	35		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% Strain	0.700	MPa	
300% Strain	1.50	MPa	
Tensile Strength (Break)	3.00	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength	16.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	10	%	
70°C, 22 hr	27	%	
100°C, 22 hr	50	%	
Additional Information	**Nominal Value**		**Test Method**
Ozone Resistance - Stressed	No Cracks		ASTM D518
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0	°C	

Drying Time	2.0	hr
Suggested Max Regrind	20	%
Rear Temperature	155 to 175	°C
Middle Temperature	165 to 185	°C
Front Temperature	170 to 190	°C
Nozzle Temperature	180 to 210	°C
Mold Temperature	25.0 to 50.0	°C

Extrusion	Nominal Value	Unit
Drying Temperature	90.0	°C
Drying Time	2.0	hr
Cylinder Zone 1 Temp.	155 to 165	°C
Cylinder Zone 2 Temp.	160 to 180	°C
Cylinder Zone 3 Temp.	165 to 185	°C
Cylinder Zone 4 Temp.	170 to 190	°C
Cylinder Zone 5 Temp.	180 to 210	°C
Die Temperature	185 to 215	°C

Recommended distributors for this material

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