

Optiflex TPV40D

The Materials Group - *Thermoplastic Vulcanizate*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Recycled Content	• Post-Industrial (PIR)/Pre-Consumer, 90%
Features	• Excellent Processability
Appearance	• Black • Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Molding Shrinkage	1.6 to 1.8	%	ISO 2577
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	2470	psi	ISO 527
Tensile Elongation (Break)	730	%	ISO 527
Compression Set (257°F, 70 hr)	80	%	ISO 815
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	40		ISO 868

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	140	°F
Drying Time	3.0	hr
Suggested Max Moisture	0.080	%
Rear Temperature	360	°F
Middle Temperature	370	°F
Front Temperature	380	°F
Nozzle Temperature	390	°F
Processing (Melt) Temp	390	°F
Mold Temperature	> 120	°F

Notes

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

