

Generic TPU-PC - Barium Sulfate

Thermoplastic Polyurethane Elastomer (PC Based)

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic TPU-PC - Barium Sulfate
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Barium sulfate		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35 - 1.44	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.9 - 7.6	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.80 - 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	55 - 95		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C)	5.52 - 689	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain, 23°C	4.14 - 20.8	MPa	ASTM D412
300% strain, 23°C	8.27 - 38.6	MPa	ASTM D412
Tensile Strength (Break, 23°C)	34.1 - 51.7	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	350 - 530	%	ASTM D412
Thermoset	Nominal Value	Unit	
Post Cure Time	8.0	hr	
Injection	Nominal Value	Unit	
Drying Temperature	54.4 - 54.6	°C	
Injection instructions			
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Extrusion	Nominal Value	Unit	
Drying Temperature	54.4 - 54.6	°C	
Cylinder Zone 1 Temp.	171	°C	
Cylinder Zone 2 Temp.	182	°C	
Cylinder Zone 3 Temp.	187 - 188	°C	
Cylinder Zone 4 Temp.	193	°C	
Die Temperature	204	°C	
Back Pressure	9.65 - 9.93	MPa	
Extrusion instructions			

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