PULSE™ GX70
PC/ABS Engineering Resin

Overview

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PULSE™ GX70 is an easy flow, high-heat, low gloss PC/ABS resin delivering optimized performance for automotive interior component applications.

Benefits

- Low gloss allowing paint-less visible applications
- Low density driving to lighter and cost optimized parts
- Easy flow, reduced scrap, and faster cycle times, while enabling thin wall part design for mass reduction.
- High-impact strength even at low temperature
- Medium heat resistance optimized for the majority of automotive interior components
- Consistent natural white color produces high quality part appearance when used with color concentrates (self coloring) or Trinseo Color Masterbatch Technology
- Low odor & VOC to meet all global Automotive OEM specifications

Applications

- Mid (floor)consoles
- Instrument Panel components
- Door panel trim
- Pillars
- Storage / load floors / glove box

Automotive Specifications

- BMW GS 93016
- GM GMW15581P-ABS+PC-T2
- JLR STJLR.51.353
- JLR STJLR.51.5262
- MERCEDES BENZ DBL 5404.84
- TESLA TM-1003 10/20
- VAG VW-TL 52231 A
- VOLVO STD 1212,86
- FORD WSS-M4D924-B1
- GM GMW15581P-ABS+PC-T5
- JLR STJLR.51.5229
- MERCEDES BENZ DBL 5404.28
- STELLANTIS FTM62-0033
- TOYOTA TSM 5526G-1
- VOLKSWAGEN TL 52231-A

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.11	g/cm³	1.11	g/cm³	ISO 1183
Apparent (Bulk) Density	0.64	g/cm³	0.64	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	18	g/10 min	18	g/10 min	ISO 1133
Spiral Flow [1]	18.5	in	47.0	cm	
Molding Shrinkage	4.0E-3 to 7.0E-3	in/in	0.40 to 0.70	%	ISO 294-4
VOC Content	12.0	µg/g	12.0	µg/g	VDA 277
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus	312000	psi	2150	MPa	ISO 527-1/1
Tensile Stress (Yield)	7110	psi	49.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 80	%	> 80	%	ISO 527-2/50
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Charpy Notched Impact Strength					ISO 179/1eA
-22°F (-30°C)	24	ft·lb/in²	50	kJ/m²	
73°F (23°C)	26	ft·lb/in²	55	kJ/m²	

Thermal	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Deflection Temperature Under Load					ISO 75-2/A
264 psi (1.8 MPa), Unannealed	208	°F	98.0	°C	
Vicat Softening Temperature	243	°F	117	°C	ISO 306/B50
CLTE - Flow (-22 to 176°F (-30 to 80°C))	4.2E-5 to 4.4E-5	in/in/°F	7.5E-5 to 8.0E-5	cm/cm/°C	ISO 11359-2

Injection	Nominal Value	(English)	Nominal Value	(SI)
Drying Temperature	212	°F	100	°C
Drying Time	4.0	hr	4.0	hr
Processing (Melt) Temp	491 to 536	°F	255 to 280	°C
Mold Temperature	140 to 176	°F	60 to 80	°C