PULSE™ XT9215
PC/ABS Engineering Resin

Overview

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PULSE™ XT9215 is an easy flow, high-heat, low density mineral filled PC/ABS resin delivering optimized performance for automotive exterior component applications requiring low CLTE for a better dimensional stability.

Benefits

- Very low CLTE for an improved dimensional stability (smaller gaps) and a better fit and finish for optimal quality
- High ductility and easy flow for more design freedom (larger/longer parts, optimized wall thickness)and better economics (improved cycle time)
- Significant density advantage (up to 10% compared to a PC/PET) for lighter parts and optimized costs
- Faster cycle times for a better process cost control
- High gloss for painted applications with enhanced paint adhesion

Applications

- Spoilers
- Exterior trims
- Roof bows
- Roof rails

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.25	g/cm³	1.25	g/cm³	ISO 1183
Apparent (Bulk) Density	0.63	g/cm³	0.63	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	24	g/10 min	24	g/10 min	ISO 1133
Spiral Flow [1, 2]	17.3	in	44.0	cm	
Molding Shrinkage	2.0E-3 to 6.0E-3	in/in	0.20 to 0.60	%	ISO 294-4
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus	609000	psi	4200	MPa	ISO 527-1/1
Tensile Stress (Yield)	7690	psi	53.0	MPa	ISO 527-2/5
Tensile Strain (Break)	15	%	15	%	ISO 527-2/5
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	4.8	ft·lb/in²	10	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Deflection Temperature Under Load					ISO 75-2/A
264 psi (1.8 MPa), Unannealed	226	°F	108	°C	
Vicat Softening Temperature	270	°F	132	°C	ISO 306/B50
CLTE - Flow (-22 to 176°F (-30 to 80°C))	1.9E-5 to 2.2E-5	in/in/°F	3.5E-5 to 4.0E-5	cm/cm/°C	ISO 11359-2

Injection	Nominal Value	(English)	Nominal Value	(SI)
Drying Temperature	248	°F	120	°C
Drying Time	5.5	hr	5.5	hr
Processing (Melt) Temp	491 to 536	°F	255 to 280	°C
Mold Temperature	140 to 176	°F	60 to 80	°C