

PULSE 920 MG

Engineering Resins

An inherently matt medium heat, medium impact PC/ABS resin, PULSE* 920 MG is designed for interior automotive applications where a matt aesthetic is required.

Proprietary Dow low gloss technology allows this unique combination of maximum low gloss aesthetics and physical properties.

Properties ⁽¹⁾	Test Method			Value
	ISO	ASTM	DIN	
Physical				
Melt flow rate (230°C/3.8 kg), g/10 min.	1133			3.5
(260°C/5 kg), g/10 min.				17
Melt temperature range (recommended), °C				250-290
Mould temperature range (recommended), °C				50-90
Mechanical				
Tensile yield stress (100 mm/min), MPa	527			50
Tensile rupture stress (100 mm/min), MPa	527			44
Tensile elongation at rupture (100 mm/min), %	527			100
Tensile modulus (1 mm/min), MPa	527			2250
Flexural strength (2 mm/min), MPa	178			85
Flexural modulus (3 points) (2 mm/min), MPa	178			2100
Charpy notched impact, kJ/m ²	23°C	179		22
	-30°C			7
Izod notched impact, kJ/m ²	23°C	180		45
	-30°C	180		20
Coefficient of linear thermal expansion α (0 to 80°C), mm/mm/°C (10 ⁻⁵)		D-696		7.5-8
Thermal				
HDT Method A = 1.82 MPa (unannealed), °C	75 A			105
Vicat softening point 10N/120 (unannealed), °C	306 A			142
	50N/50 (unannealed), °C	306 B		122
Flammability Ratings⁽¹⁾				
Flammability rating (1.6 mm)	UL-94			HB

(1) Dow Test.

