Celanese
The chemistry inside innovation™

Crastin® LW9315

THERMOPLASTIC POLYESTER RESIN

Product information

Resin Identification	(PBT+SAN)-GF15	ISO 1043
Part Marking Code	>(PBT+SAN)-GF15<	ISO 11469

Rheological properties

Melt mass-flow rate	15	g/10min	ISO 1133
Melt mass-flow rate, Temperature	482	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage range, parallel	0.6 - 0.7	%	ISO 294-4, 2577
Molding shrinkage range, normal	0.8 - 0.9	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	798000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	13500	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.3	%	ISO 527-1/-2
Flexural modulus	682000	psi	ISO 178
Charpy impact strength, 23°C	28.5	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	3.23	ftlb/in²	ISO 179/1eA

Thermal properties

Temperature of deflection under load, 1.8 MPa	374	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	419	°F	ISO 75-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB	class	IEC 60695-11-10

Physical/Other properties

Density	0.0484	lb/in³	ISO 1183

Injection

Drying Recommended	yes	
Drying Temperature	248	°F
Drying Time, Dehumidified Dryer	4	h
Processing Moisture Content	≤0.04	%
Melt Temperature Optimum	482	°F
Min. melt temperature	464	°F
Max. melt temperature	500	°F
Max. screw tangential speed	0.1 - 0.3	m/s
Mold Temperature Optimum	176	°F
Min. mold temperature	140	°F
Max. mold temperature	266	°F

Revised: 2026-05-11 Source: Celanese Materials Database

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Characteristics

Processing	Injection Molding
Special characteristics	High impact or impact modified, Low Warpage

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