

PRIMARY MFG

PRO-BLK 10 DLS

Production-grade material with remarkable thermoplastic-like mechanical properties and long-term environmental stability.

Picture
Coming Soon

Tensile Properties, ASTM D638	Metric	U.S.
Tensile Modulus	2320 MPa	336 KSI
Ultimate Tensile Strength	63 MPa	9140 PSI
Tensile Strength at Yield	63 MPa	9140 PSI
Elongation at Break		12%
Elongation at Yield		4.7%
Flexural Properties, ASTM D790		
Flexural Modulus	2290 MPa	332 KSI
Flexural Strength	92 MPa	13340 PSI
Impact Properties		
Notched Izod, ASTM D256	24 J/m	0.5 Ft-lbs/in
Unnotched Izod, ASTM D4812	1008 J/m	11.5 Ft-lbs/in
Thermal Properties		
Heat Deflection, ASTM D648	70°C @0.45 MPa	158°F @66PSI
	56°C @1.82 MPa	133°F @264 PSI
Coefficient of Thermal Expansion, ASTM E831	(<Tg) 71 PPM/°C	(<Tg) 39 PPM/°F
	(>Tg) 188 PPM/°C	(>Tg) 104 PPM/°F
Glass Transition, ASTM E1640	62°C	144°F
General Properties		
Density, ASTM D792	1.16 g/cm ³	0.042 lb/in ³
Hardness, ASTM D2240		79, Shore D
Water absorption, 23°C, 24 hours, ASTM D570		1.16%