



**COMPOUND:** 773D

**POLYMER:** Polyamide (PA)

**DESCRIPTION:** Devlon V-API Nylon 12/6 unfilled, Cast Stock Shapes and Machined parts, Yellow Colored

Property	Test Method	Typical Values	Units
Specific Gravity	ASTM D792	1.12	-
Water Absorption 24 HRS, Immersion Saturation, Immersion	ASTM D570	0.105 3.00	%
Hardness	ASTM D785	82 - 85	SHORE-D
Tensile Strength at Break 73.4 °F (23 °C) - 40 °F (- 40 °C)	ASTM D638	11,591 (79.92) 15,885 (109.52)	PSI (MPa)
Elongation at Break	ASTM D638	6	%
Tensile Modulus	ASTM D638	600,175 (4,138.06)	PSI (MPa)
Flexural Strength	ASTM D790	17,630 (121.55)	PSI (MPa)
Charpy Impact Strength, Notched	ASTM D256	0.99 (54.8)	FT.LB/INCH (J/m)
Deformation Under Load 1,991 PSI (140 KG/CM <sup>2</sup> )	ASTM D621	1.00 – 2.00	%
Heat Deflection Temperature @ 264 PSI (1.82 MPa)	ASTM D648	200 (93.3)	°F (°C)
Coefficient of Friction @2,000 PSI Load, Dynamic on Steel, Non-Lubricated	ASTM D3702	0.25 - 0.30	

**REVISION HISTORY**

REV. NONE – Initial Release, 4-23-2001 BJ

REV. A – Updated data sheet format on new template. Added additional test data. 1012-2020 RSK

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