

TECHNYL® PROTECT C 52G1 V25 GY 2408 LP

DOMO Engineering Plastics - Polyamide 6

General Information

Product Description

*Previously TECHNYL XC 1707 GREY 2408 LP

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight

 Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	135	--	g/cm ³	ISO 1183
Water Absorption (Saturation, 73°F)	6.0	--	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	2.1 to 2.2	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	899000	326000	psi	ISO 527-1
Tensile Stress (Break)	10900	4790	psi	ISO 527-2
Tensile Strain (Break)	2.5	23	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.2	3.9	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F	29	--	ft·lb/in ²	
73°F	--	14	ft·lb/in ²	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	392	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	302	--	°F	ISO 75-2/A
Melting Temperature ²	428	--	°F	ISO 11357-3
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (0.0394 in)	< 3.9	--	in/min	FMVSS 302

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min
