TECHNYL® N 238 V15 BK

DOMO Engineering Plastics - *Polyphthalamide*

General Information

Product Description			
PPA, 15% glass fiber reinforced, impact modified, heat stabilized, for injection moulding, black. For America availability only.			
General			
Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Additive	• Heat Stabilizer	• Impact Modifier	
Features	• Heat Aging Resistant	• Heat Stabilized	• Impact Modified
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

Properties [1]

Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.20	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.80 to 1.0	--	%	
Flow	0.40 to 0.60	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	754000	667000	psi	ISO 527-1
Tensile Stress (Break)	16000	10900	psi	ISO 527-2
Tensile Strain (Break)	3.5	4.9	%	ISO 527-2
Flexural Modulus	609000	595000	psi	ISO 178
Flexural Stress	23200	14500	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	6.2	6.9	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	33	29	ft·lb/in²	ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	554	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	509	--	°F	ISO 75-2/A
Melting Temperature [2]	590	--	°F	ISO 11357-3
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Rate (0.0394 in)	< 3.9	--	in/min	FMVSS 302

Processing Information

Injection	**Dry**	**Unit**
Drying Temperature	194 to 230	°F
Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	572 to 617	°F
Mold Temperature	176 to 212	°F

Injection Notes

The material is supplied in airtight bags, ready for use. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment, dew point minimum -20°C. Recommended time 2-4h.

Notes

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

[2] 10°C/min