

DOMONYL® 2134R13T1H BK-1

DOMO Engineering Plastics - Polyamide 6

General Information

Product Description

Polyamide 66, reinforced with 13% glass fiber reinforced, impact modified, for injection moulding, black. For America availability only.

General

Material Status	• Commercial: Active
Availability	• Latin America • North America
Filler / Reinforcement	• Glass Fiber, 13% 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
ISO Designation (ISO 16396)	• PA66,GF13,MP,S14-050
Resin ID (ISO 1043)	• PA6-I-GF13

 Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.22	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.60 to 0.80	--	%	
Flow	0.30 to 0.50	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	798000	363000	psi	ISO 527-1
Tensile Stress (Break)	13100	7250	psi	ISO 527-2
Tensile Strain (Break)	3.3	20	%	ISO 527-2
Flexural Modulus	667000	305000	psi	ISO 178
Flexural Stress	21800	10900	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F	1.4	1.4	ft·lb/in ²	
73°F	4.0	9.8	ft·lb/in ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F	19	19	ft·lb/in ²	
73°F	26	45	ft·lb/in ²	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	433	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	392	--	°F	ISO 75-2/A
Melting Temperature ²	504	--	°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	176 °F
Suggested Max Moisture	0.20 %
Processing (Melt) Temp	536 to 554 °F
Mold Temperature	158 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

